Solutions

I. OPERATOR EXERCISES

1. B
   A query with the operator OR will return documents having the keyword tennis or the keyword ball or both keywords.
2. AND; OR; ANDNOT; NOT; BEFORE; NEAR
3. No: query A will return documents having both keyword electric and bicycle with no more than 9 words between them and query B will return documents having the keyword electric before bicycle with no more than 9 words between the 2 keywords. In query B the order of words is taken into account whereas in query A the order is not relevant.
4. To search for an exact term or phrase, use quotation marks.
5. The operator NEAR allow to make sure that 2 keywords or more are close to each other in the result list. If no number is specified after near, the default maximum number of words is 5, the equivalent of NEAR5.
6. Query A as the operator NEAR makes sure that the 2 keywords appear close to each other, in this case no more than 4 words in between the 2 keywords.
7. Documents about microwave ovens will not be included.

II. FIELD EXERCISES

1.
   a. retrieve documents in Japanese: **JA** (JA_AB; JA_TI…)
   b. search information in all the parts of Chinese documents: **ZH_ALL**
   c. look for a precise IPC code: **IC_EX**
   d. look for an applicant: **PAA** (all data)**; PA** (name)
   e. retrieve information in the Spanish claims: **ES_CL**
   f. search for all the information related to national phase entry data: **NPA**
   g. search information in the text in French: **FR_ALLTXT**
   h. retrieve latest kind codes: **DTY**

2.
   a. The field **IC** and the field **IC_EX**?

IC = International Patent Classification including sub-groups
IC_EX = Specific international Patent Classification

b. The field **EN_ALL** and the field **EN_ALLTXT**

EN_ALL = English All → all parts in English including Applicant, Inventors etc.
EN_ALLTXT = English All Text → English text parts of the document such as description, claim, abstract

c. The columns **Countries** and **Offices** in the Analysis in the result list

Countries = national collections
Offices = national collections + PCT applications entering into national phase in those countries

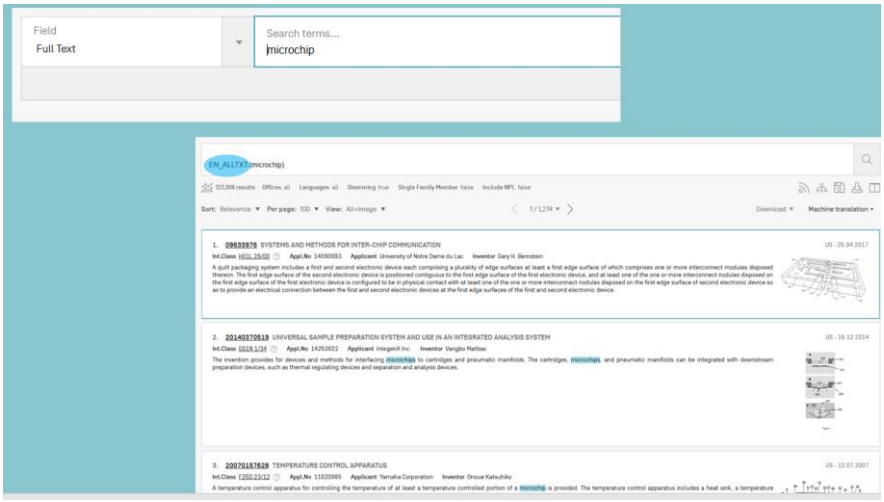
3. NPCC:CN AND NPED:CN-2020*
4. IC:(C10L1/00) AND PCN:DE
5. ISA:US
6. AN:PL2019*

7. AN:FR* AND NPCC:US AND DP:2012
8. AD:[2008 TO 2011] AND CTR:WO AND NPCC:CN

III. SEARCH EXERCISES WITH THE SIMPLE SEARCH INTERFACE

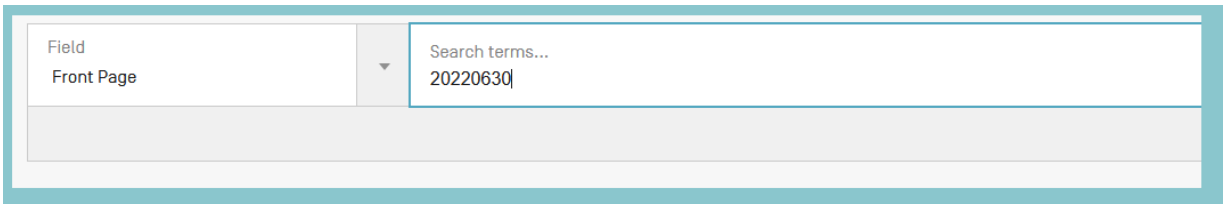
1.

a. documents about microchips

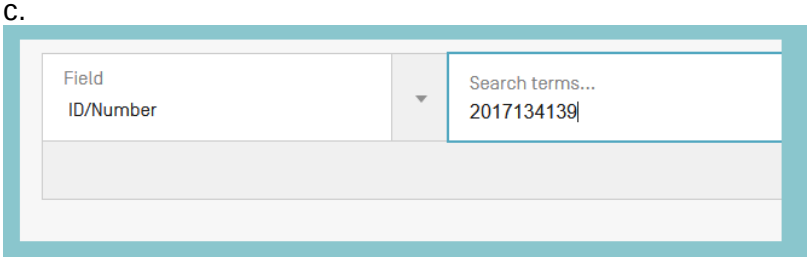


A search in the Front page will include documents in which microchip is part or the name of an applicant for example.

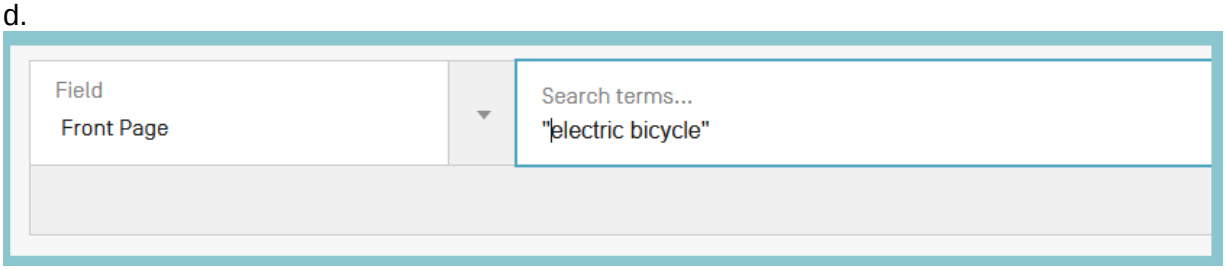
b.



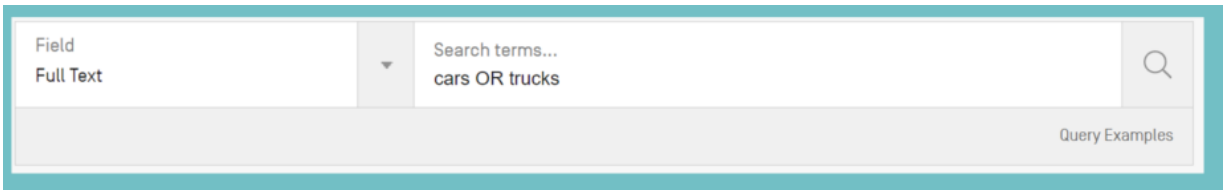
c.



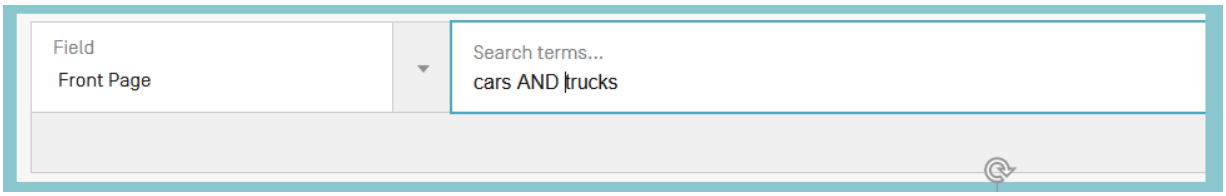
d.



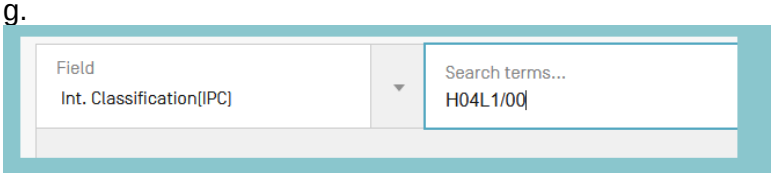
e.



f.

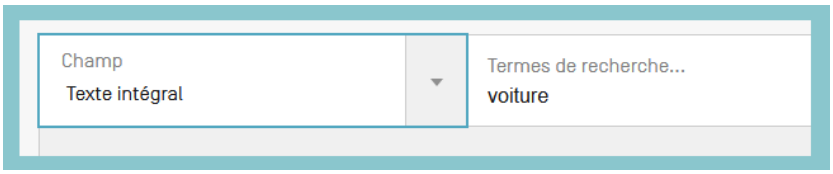


g.



h.

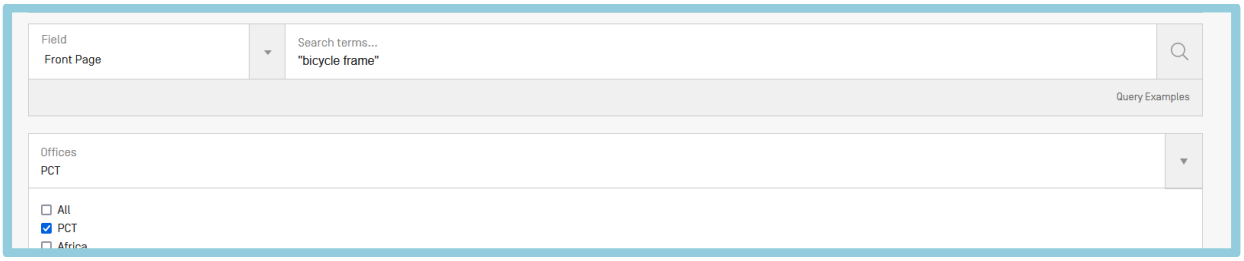
i.

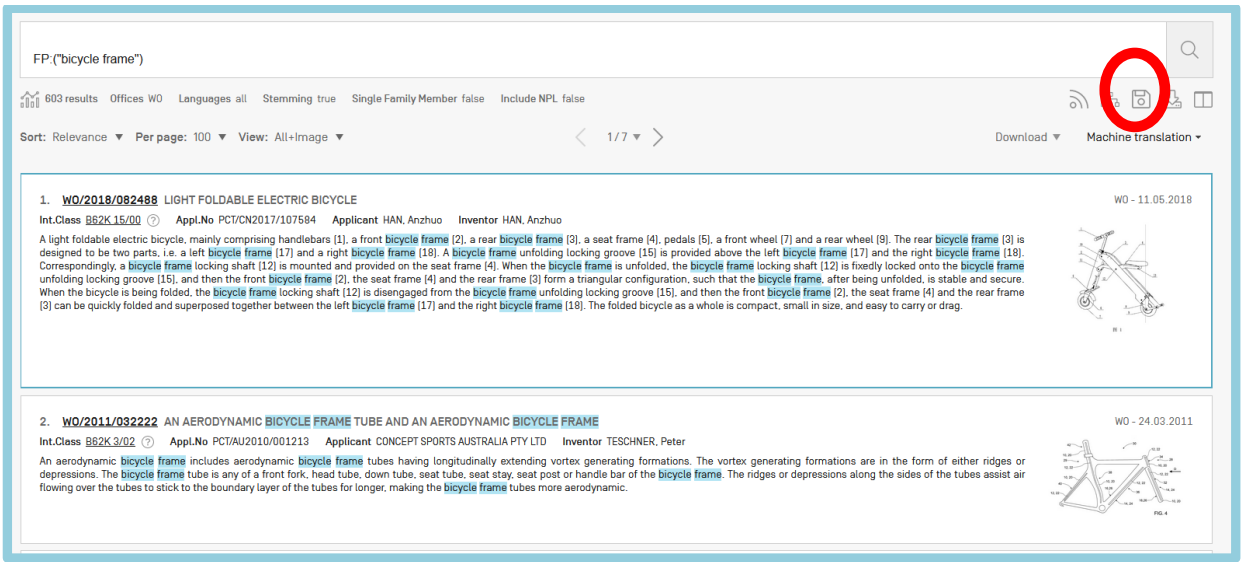


The language of the interface has to be changed to French so that the search is performed in the French text.

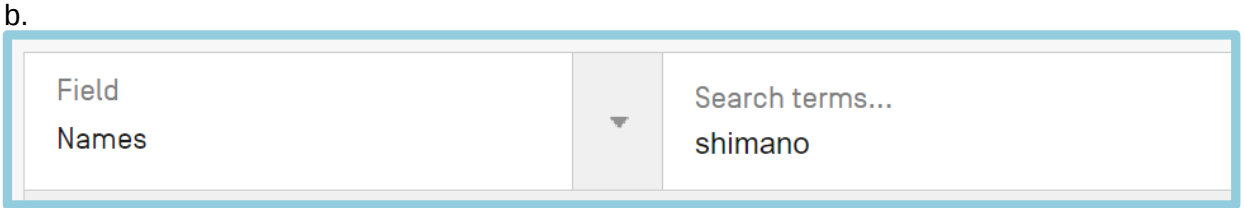
2.

a.

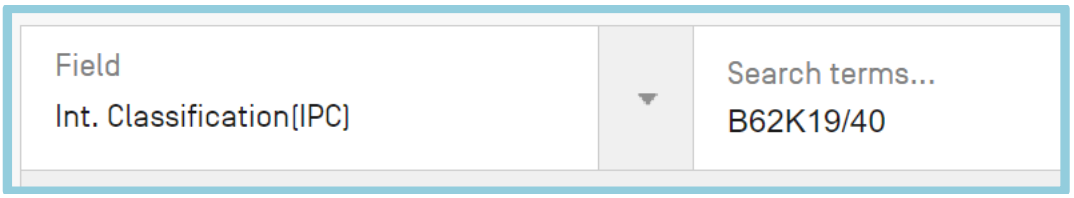




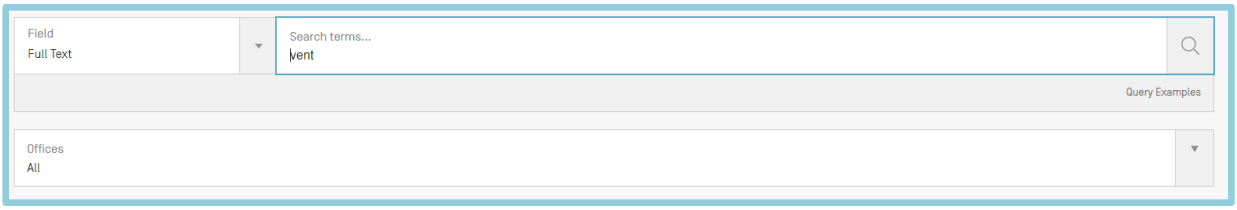
b.

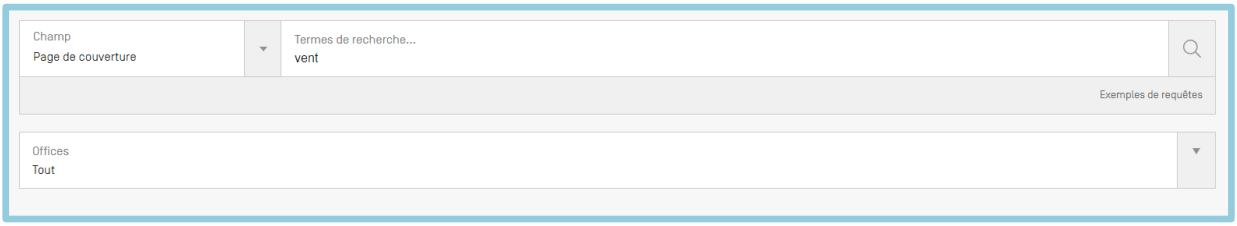


c.

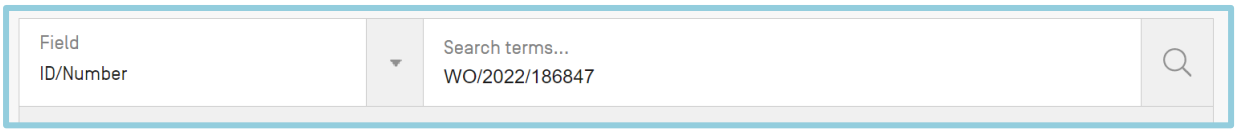


3.



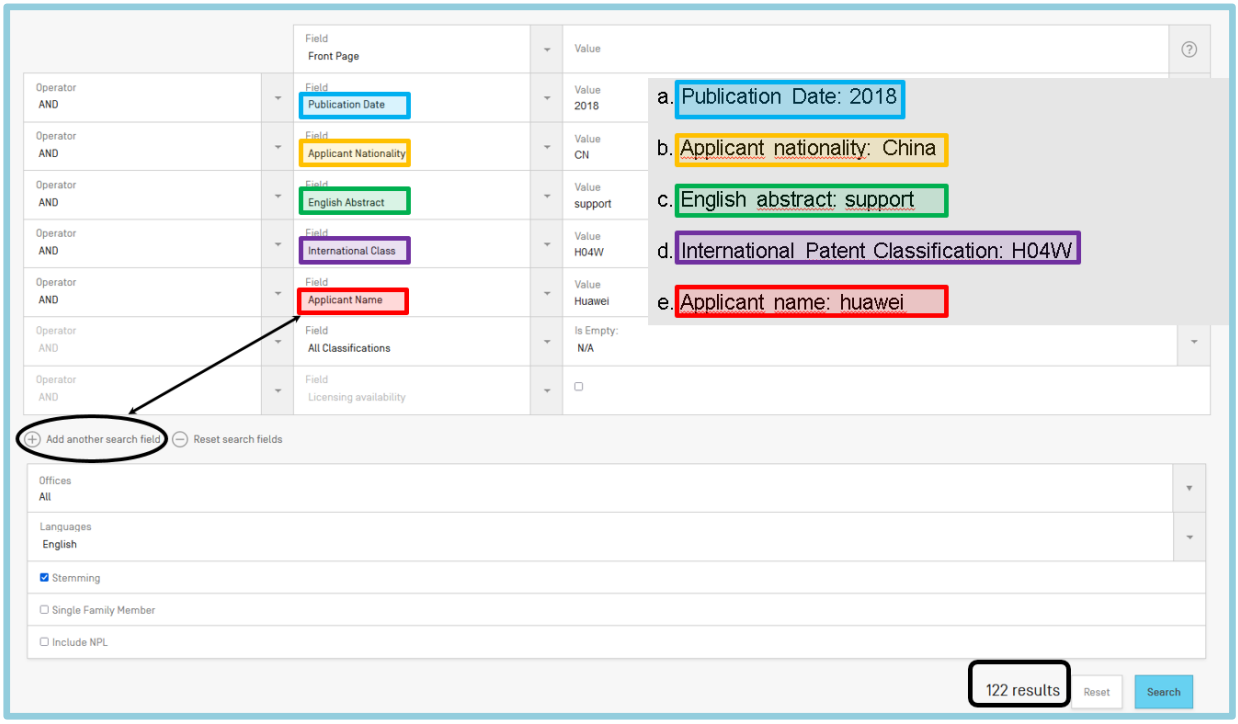


4.

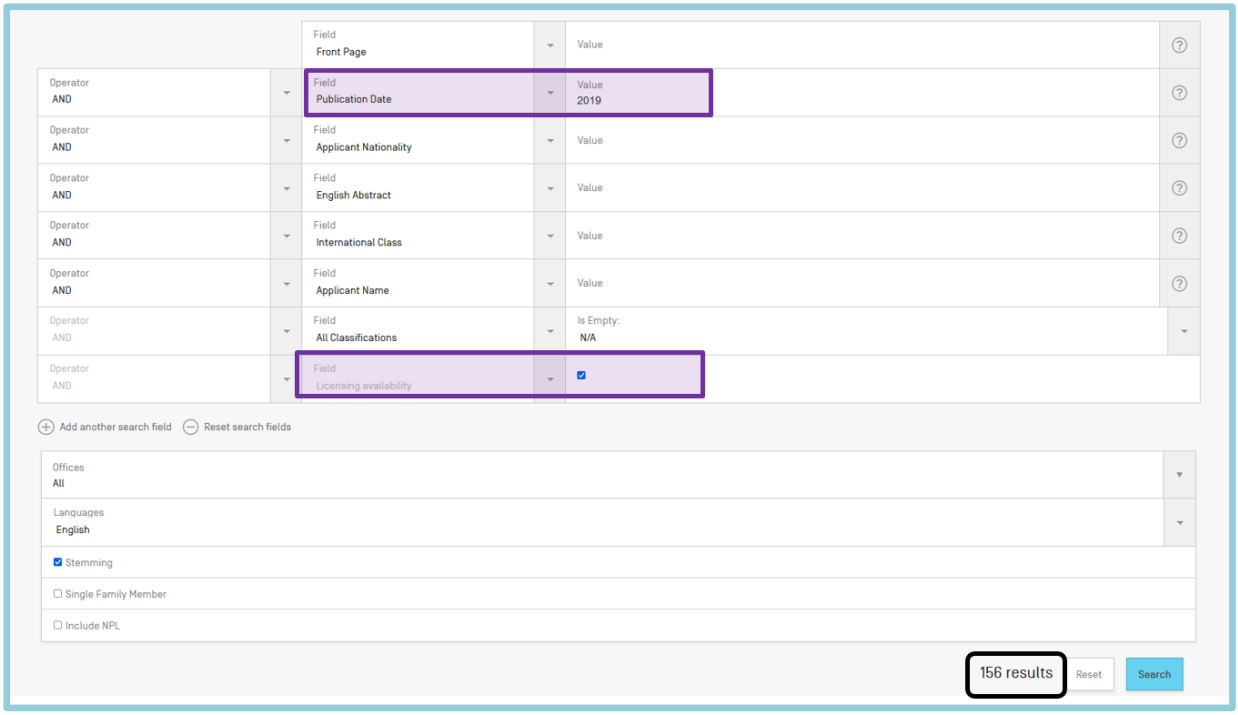


III. SEARCH EXERCISES WITH THE FIELD COMBINATION INTERFACE

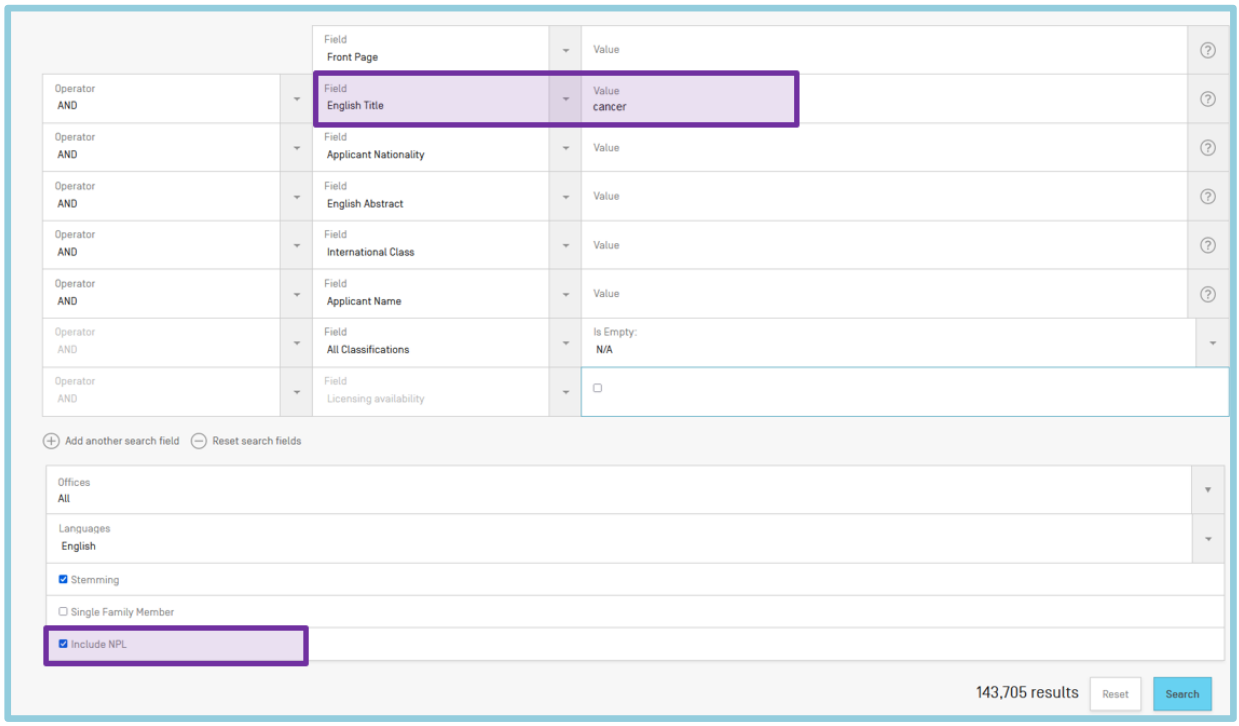
1. 122 – this may be different as with time more documents become available, please check below that the correct fields were used:



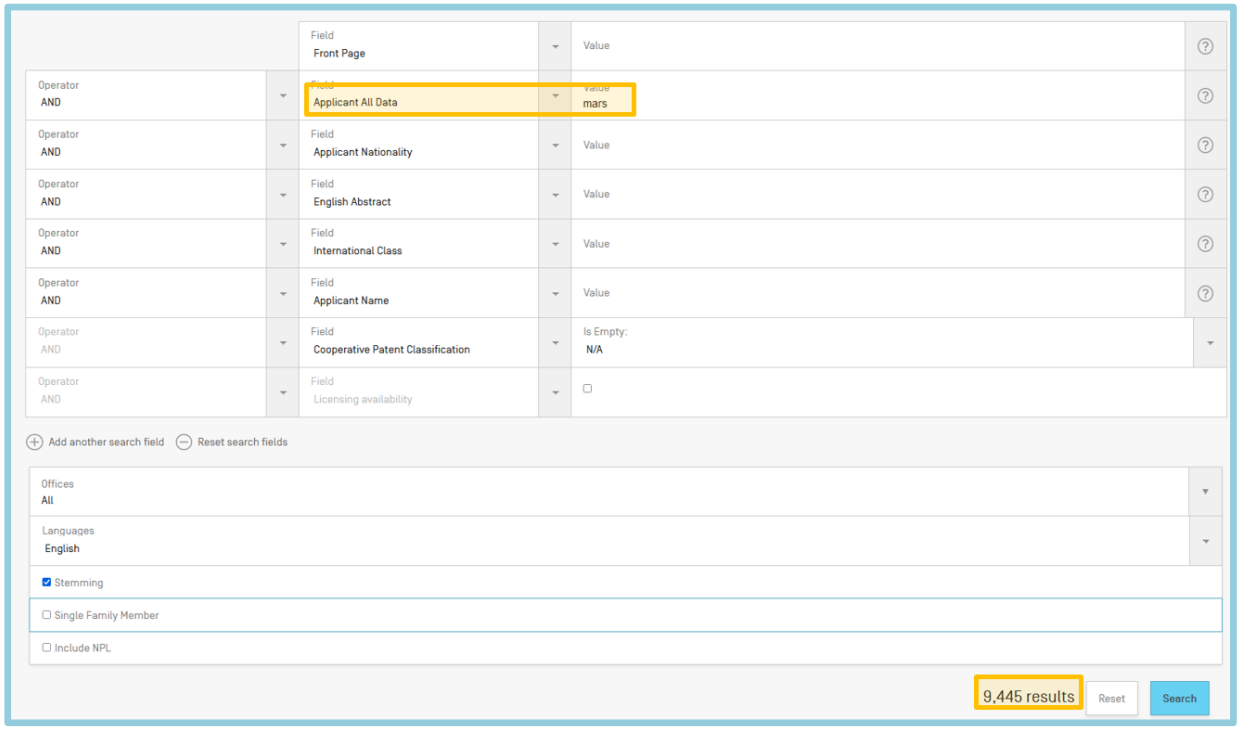
2. 156

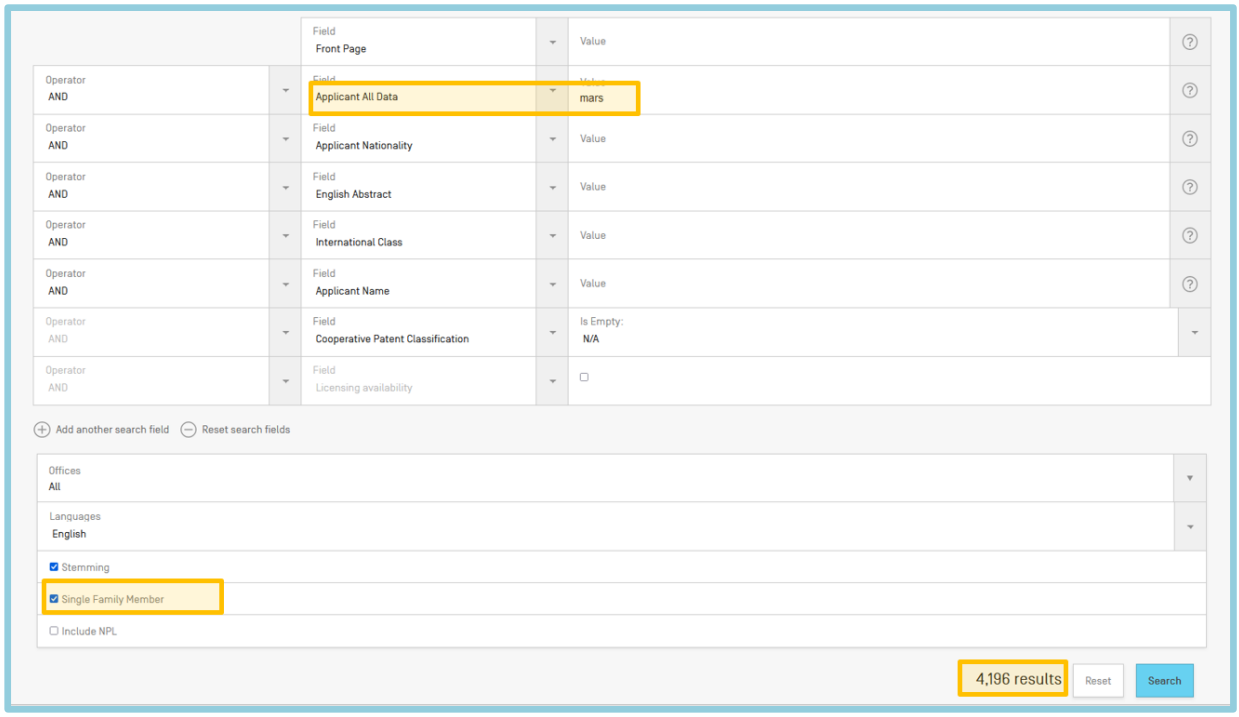


3.



4.

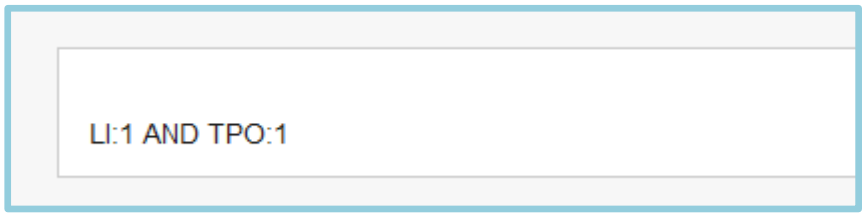




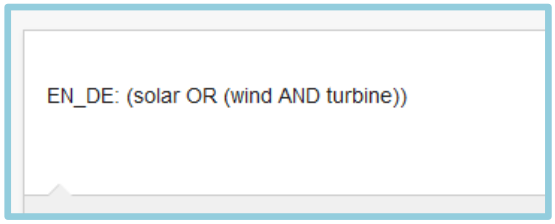
5. No, mixing operators in Field Combination is not supported, if you would like to mix operators you will have to use the advanced search interface

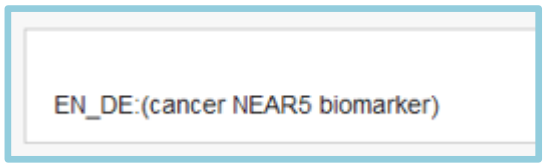
IV. SEARCH EXERCISES WITH THE ADVANCED SEARCH INTERFACE

1.

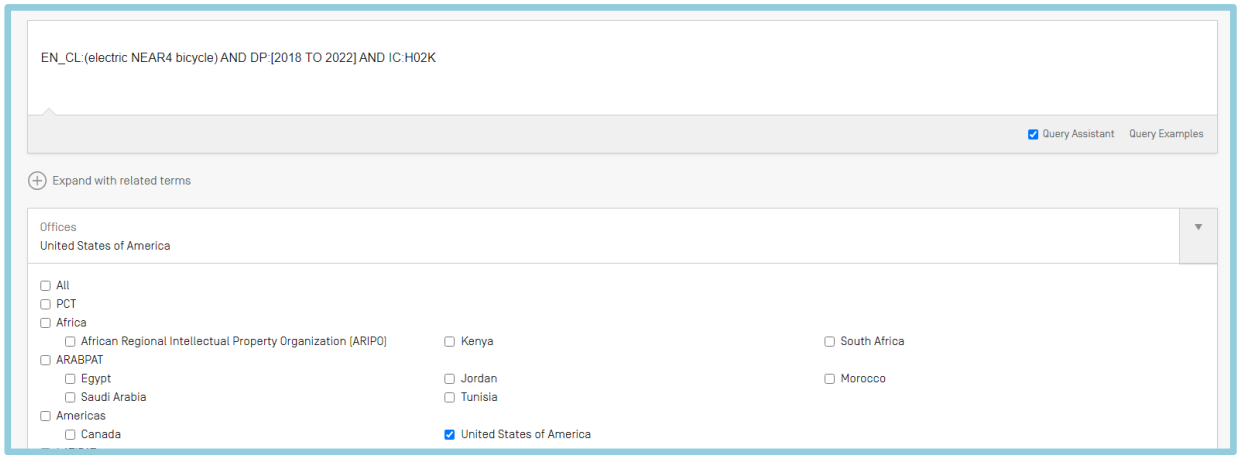


2.



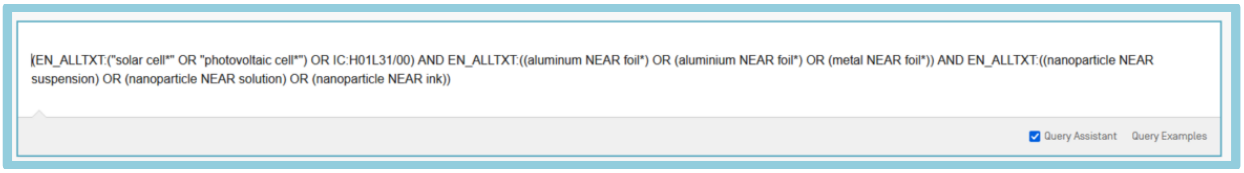


3.



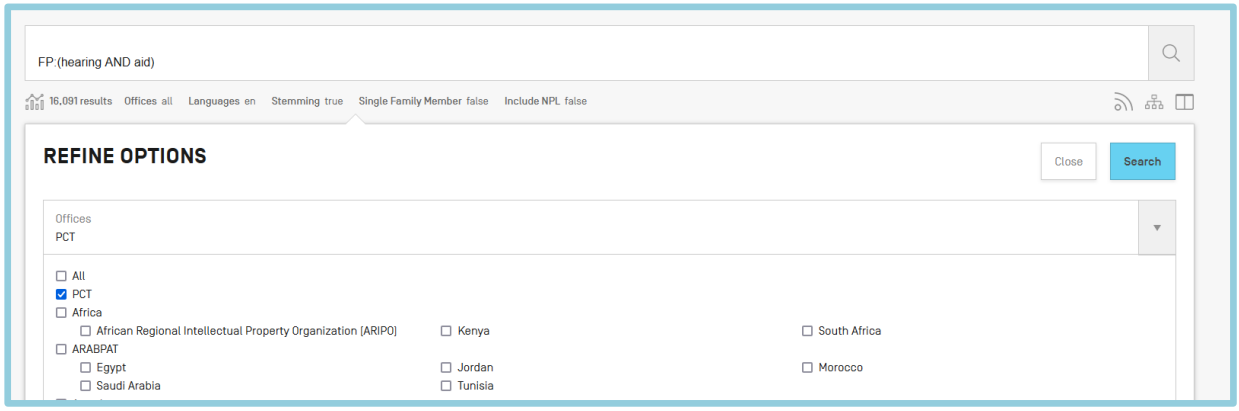
4. Documents containing *microchip* in the inventor/applicant name field will be included in the result list.

5.

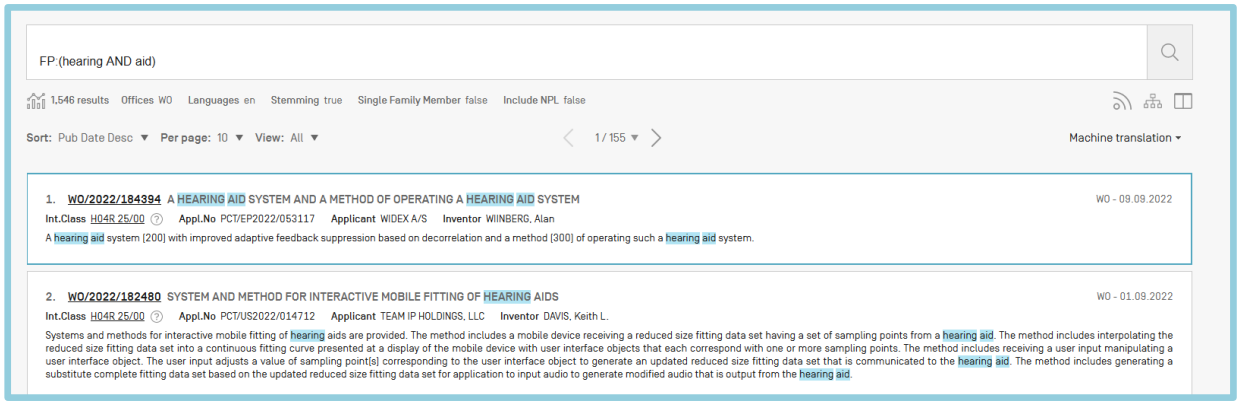


6a. both keywords are searched in the English title field.
6b. electric will be searched in English title but car in all fields.

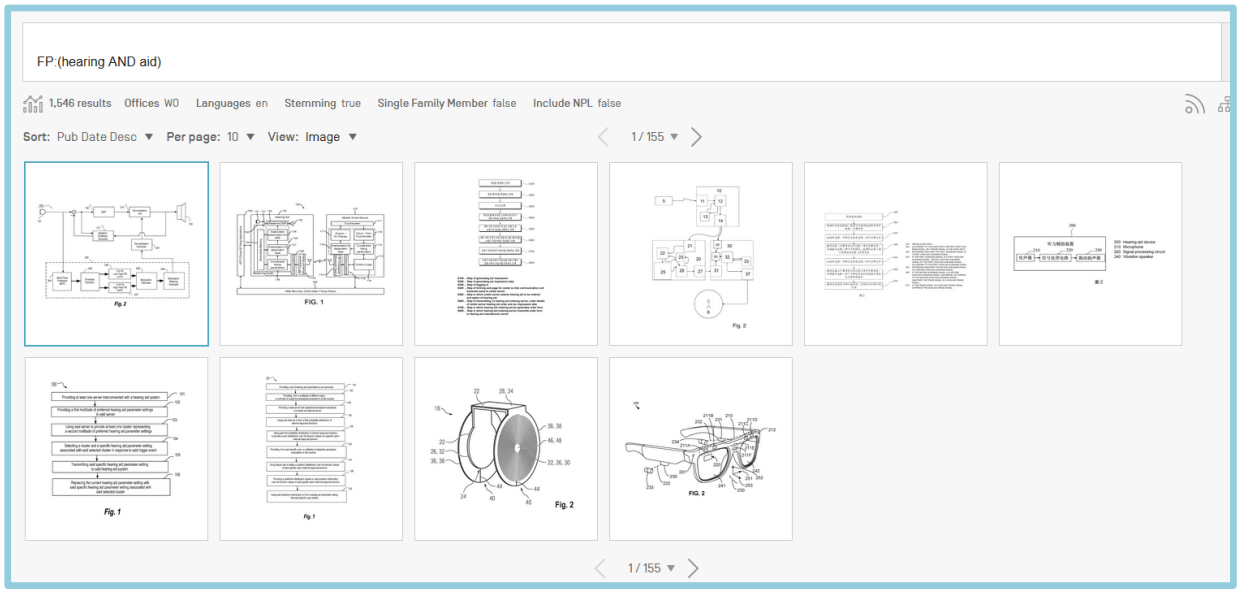
V. Result list exercises
1.
a.



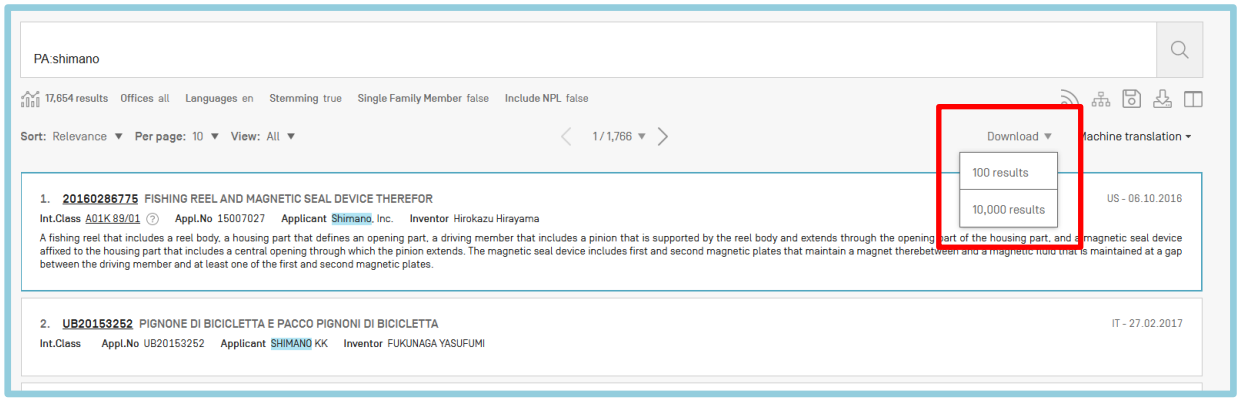
b.



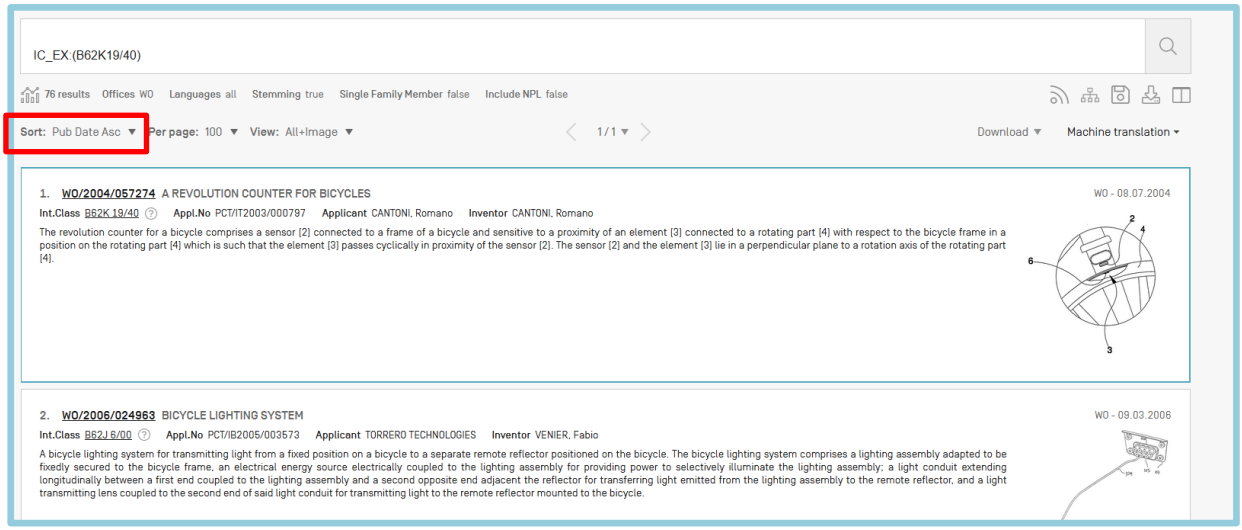
c.

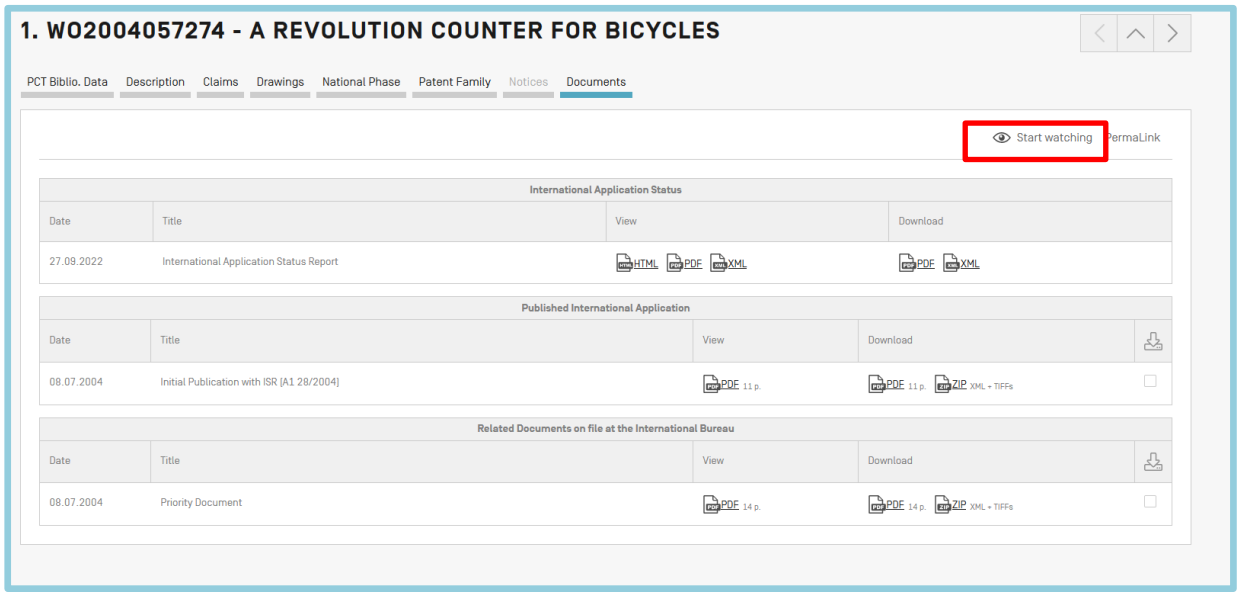


2.



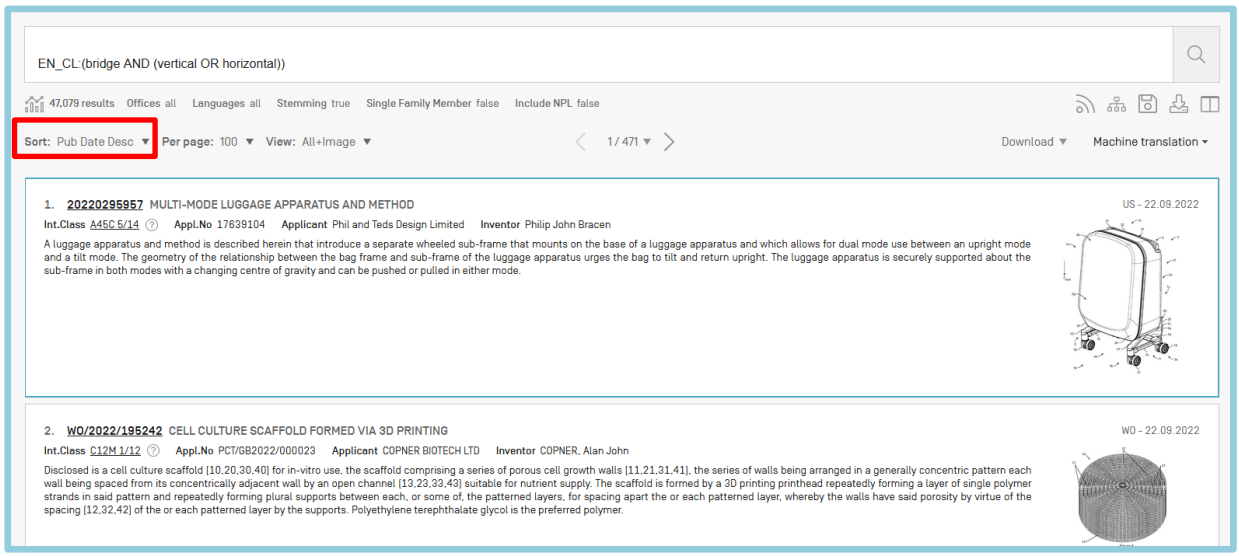
3.



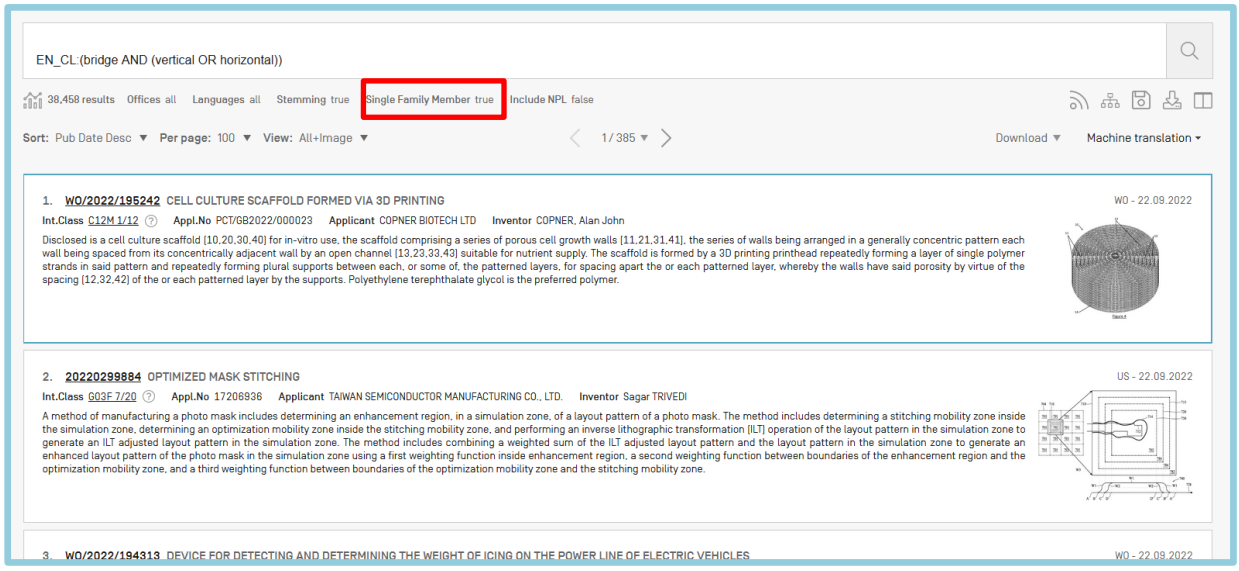


4.

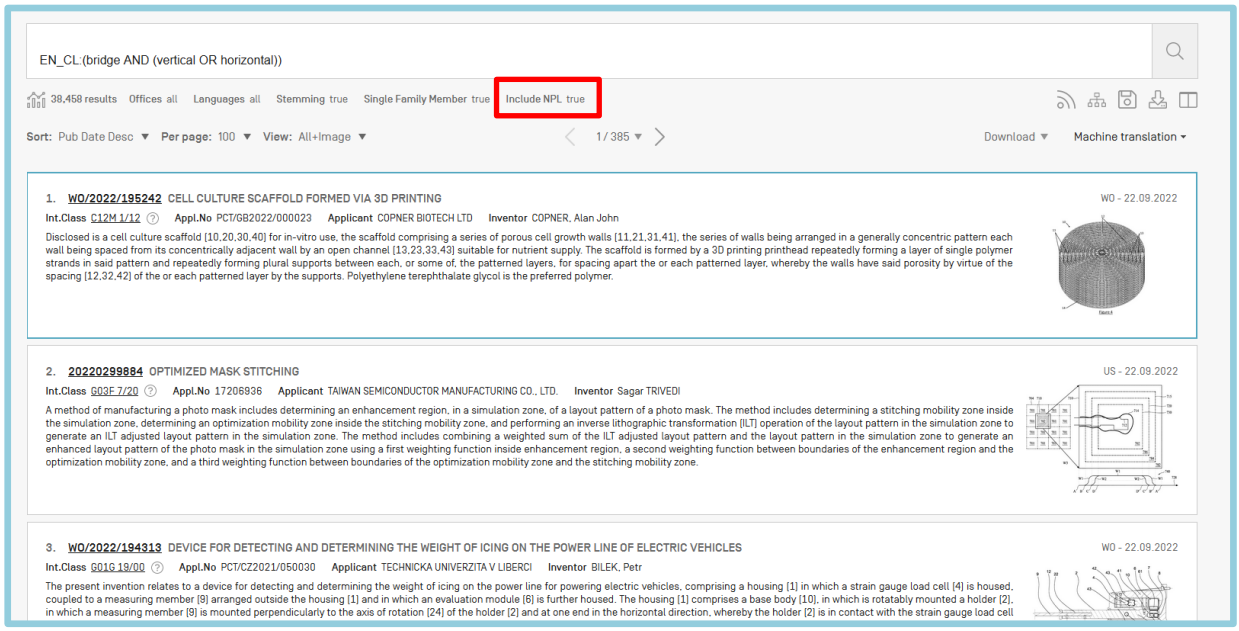
a.



b.

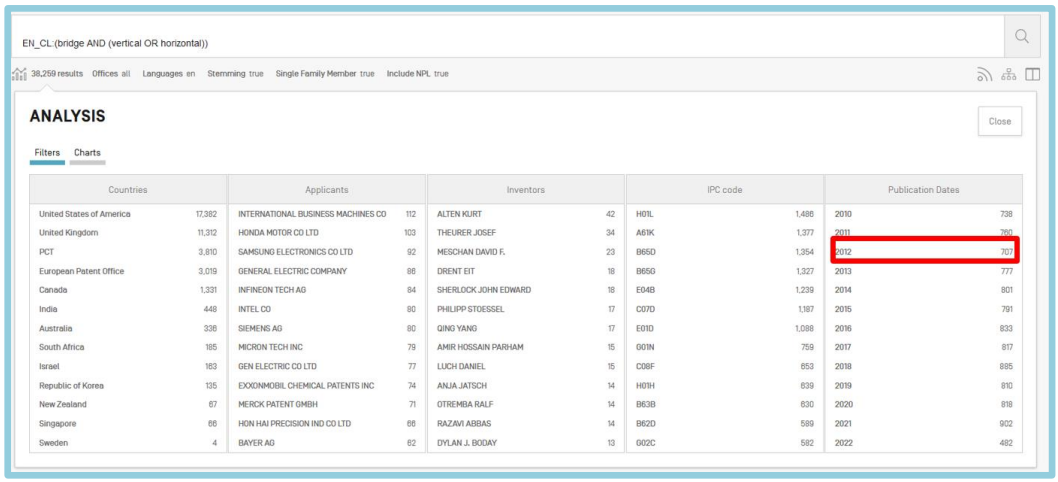


c.

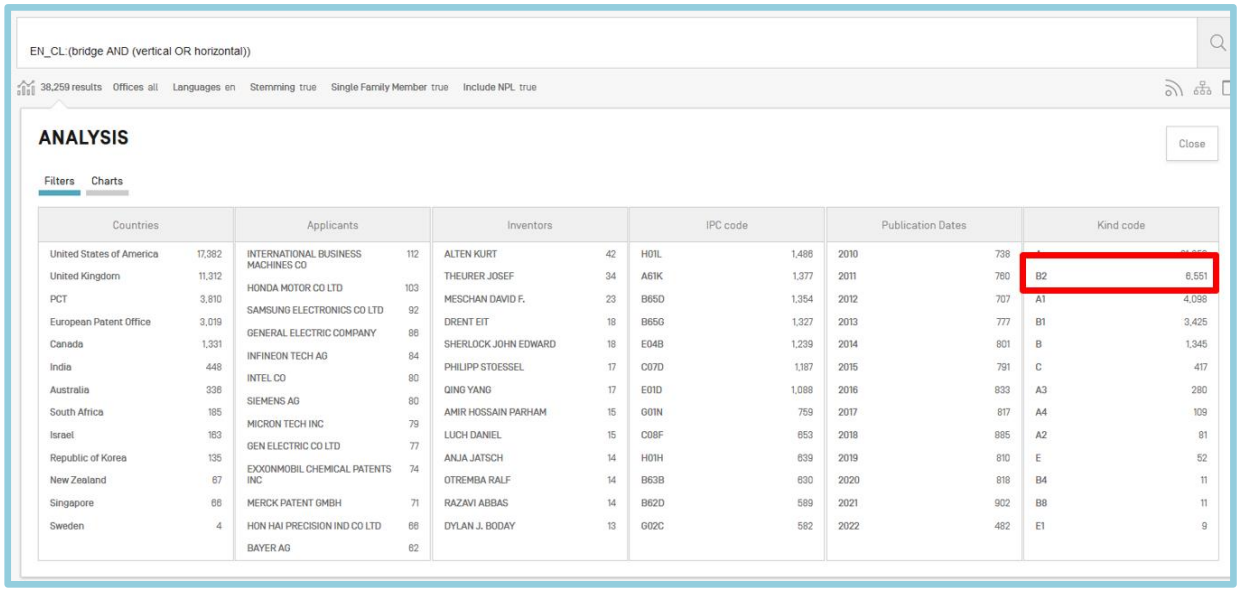


5.

a.



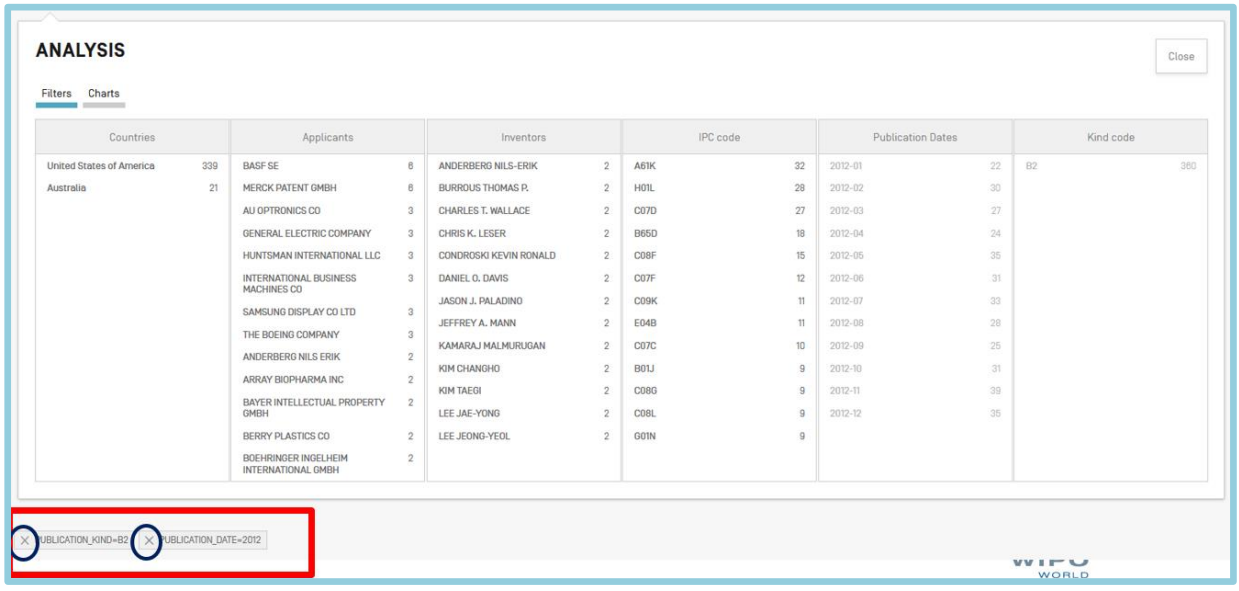
5b.


EN_CL:(bridge AND (vertical OR horizontal))
38,259 results Offices all Languages en Stemming true Single Family Member true Include NPL true
ANALYSIS
Close
Filters Charts
Countries
United States of America 17,382
United Kingdom 11,312
PCT 3,810
European Patent Office 3,019
Canada 1,331
India 448
Australia 336
South Africa 185
Israel 183
Republic of Korea 135
New Zealand 67
Singapore 66
Sweden 4
Applicants
INTERNATIONAL BUSINESS MACHINES CO 112
HONDA MOTOR CO LTD 103
SAMSUNG ELECTRONICS CO LTD 92
GENERAL ELECTRIC COMPANY 86
INFINEON TECH AG 84
INTEL CO 80
SIEMENS AG 80
MICRON TECH INC 79
GEN ELECTRIC CO LTD 77
EXXONMOBIL CHEMICAL PATENTS INC 74
MERCK PATENT GMBH 71
HON HAI PRECISION IND CO LTD 68
BAYER AG 62
Inventors
ALTEN KURT 42
THEURER JOSEF 34
MESCHAN DAVID F. 23
DRENT EIT 18
SHERLOCK JOHN EDWARD 18
PHILIPP STOESSEL 17
QING YANG 17
AMIR HOSSAIN PARHAM 15
LUCH DANIEL 15
ANJA JATSCH 14
OTREMBA RALF 14
RAZAVI ABBAS 14
DYLAN J. BODAY 13
IPC code
H01L 1,486
A61K 1,377
B65D 1,354
B65G 1,327
E04B 1,239
C07D 1,187
E01D 1,088
G01N 759
C08F 653
H01H 639
B63B 630
B62D 589
G02C 582
Publication Dates
2010 738
2011 780
2012 707
2013 777
2014 801
2015 791
2016 833
2017 817
2018 885
2019 810
2020 818
2021 902
2022 482
Kind code
B2 6,551
A1 4,098
B1 3,425
B 1,345
C 417
A3 280
A4 109
A2 81
E 52
B4 11
B8 11
E1 9

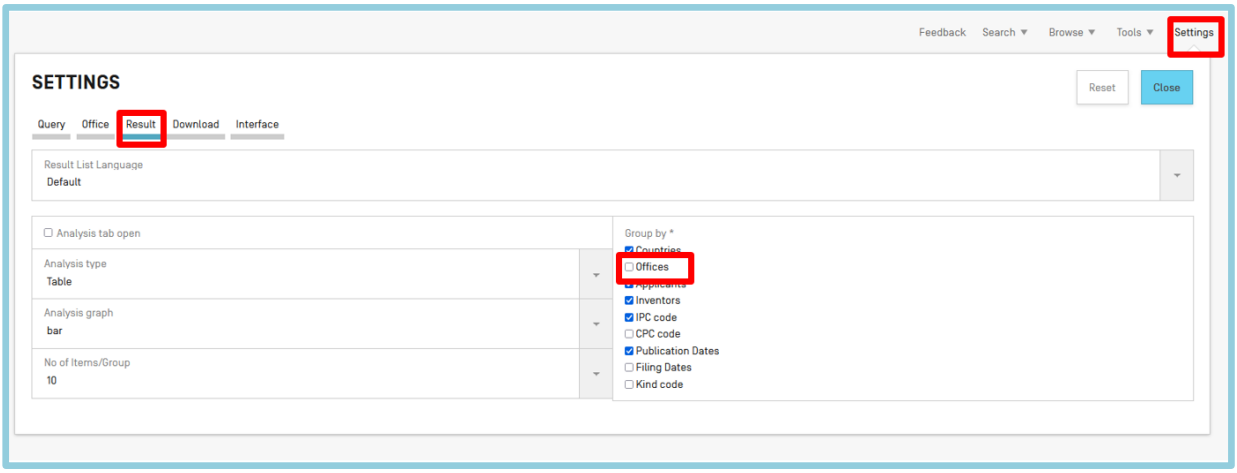
5c.


ANALYSIS
Close
Filters Charts
Countries
United States of America 339
Australia 21
Applicants
BASF SE 6
MERCK PATENT GMBH 6
AU OPTRONICS CO 3
GENERAL ELECTRIC COMPANY 3
HUNTSMAN INTERNATIONAL LLC 3
INTERNATIONAL BUSINESS MACHINES CO 3
SAMSUNG DISPLAY CO LTD 3
THE BOEING COMPANY 3
ANDERBERG NILS ERIK 2
ARRAY BIOPHARMA INC 2
BAYER INTELLECTUAL PROPERTY GMBH 2
BERRY PLASTICS CO 2
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2
Inventors
ANDERBERG NILS-ERIK 2
BURROUS THOMAS P. 2
CHARLES T. WALLACE 2
CHRIS K. LESER 2
CONDROSKI KEVIN RONALD 2
DANIEL O. DAVIS 2
JASON J. PALADINO 2
JEFFREY A. MANN 2
KAMARAJ MALMURUGAN 2
KIM CHANGHO 2
KIM TAEGI 2
LEE JAE-YONG 2
LEE JEONG-YEOL 2
IPC code
A61K 32
H01L 28
C07D 27
B65D 18
C08F 15
C07F 12
C09K 11
E04B 11
C07C 10
B01J 9
C08G 9
C08L 9
G01N 9
Publication Dates
2012-01 22
2012-02 30
2012-03 27
2012-04 24
2012-05 35
2012-06 31
2012-07 33
2012-08 28
2012-09 25
2012-10 31
2012-11 39
2012-12 35
Kind code
B2 360

5d.

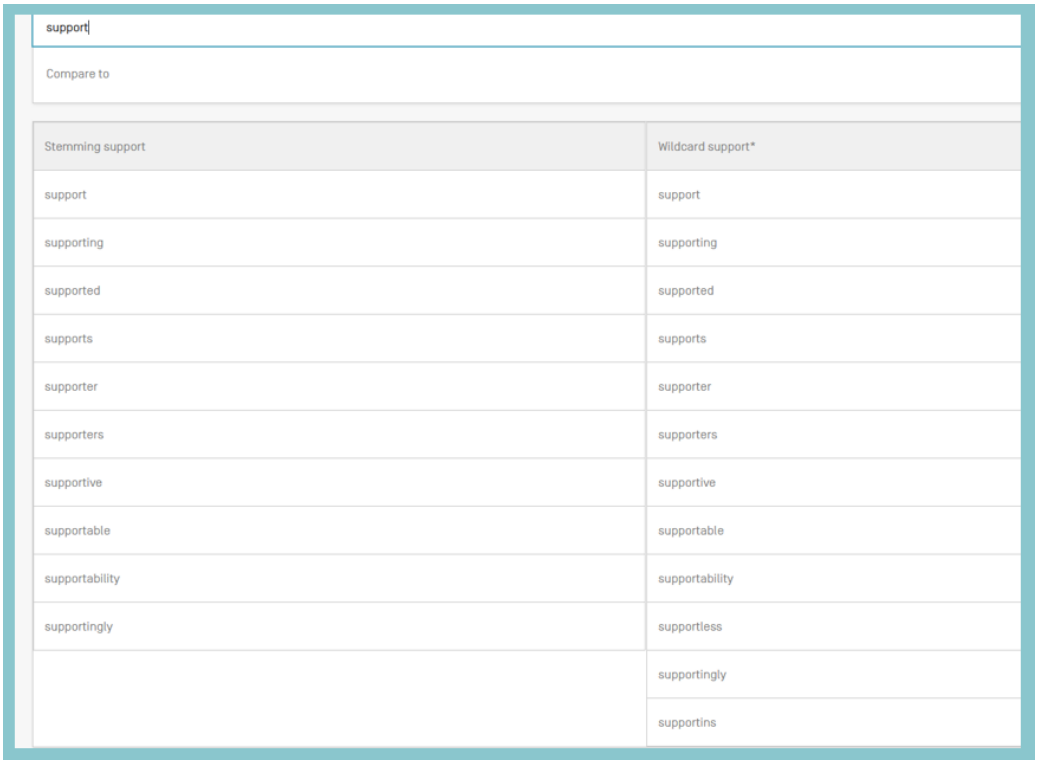

ANALYSIS
Close
Filters Charts
Countries
United States of America 339
Australia 21
Applicants
BASF SE 6
MERCK PATENT GMBH 6
AU OPTRONICS CO 3
GENERAL ELECTRIC COMPANY 3
HUNTSMAN INTERNATIONAL LLC 3
INTERNATIONAL BUSINESS MACHINES CO 3
SAMSUNG DISPLAY CO LTD 3
THE BOEING COMPANY 3
ANDERBERG NILS ERIK 2
ARRAY BIOPHARMA INC 2
BAYER INTELLECTUAL PROPERTY GMBH 2
BERRY PLASTICS CO 2
BOEHRINGER INGELHEIM INTERNATIONAL GMBH 2
Inventors
ANDERBERG NILS-ERIK 2
BURROUS THOMAS P. 2
CHARLES T. WALLACE 2
CHRIS K. LESER 2
CONDROSKI KEVIN RONALD 2
DANIEL O. DAVIS 2
JASON J. PALADINO 2
JEFFREY A. MANN 2
KAMARAJ MALMURUGAN 2
KIM CHANGHO 2
KIM TAEGI 2
LEE JAE-YONG 2
LEE JEONG-YEOL 2
IPC code
A61K 32
H01L 28
C07D 27
B65D 18
C08F 15
C07F 12
C09K 11
E04B 11
C07C 10
B01J 9
C08G 9
C08L 9
G01N 9
Publication Dates
2012-01 22
2012-02 30
2012-03 27
2012-04 24
2012-05 35
2012-06 31
2012-07 33
2012-08 28
2012-09 25
2012-10 31
2012-11 39
2012-12 35
Kind code
B2 360
UBLICATION_KIND=B2
UBLICATION_DATE=2012

e.



VI. STEMMING EXERCISES

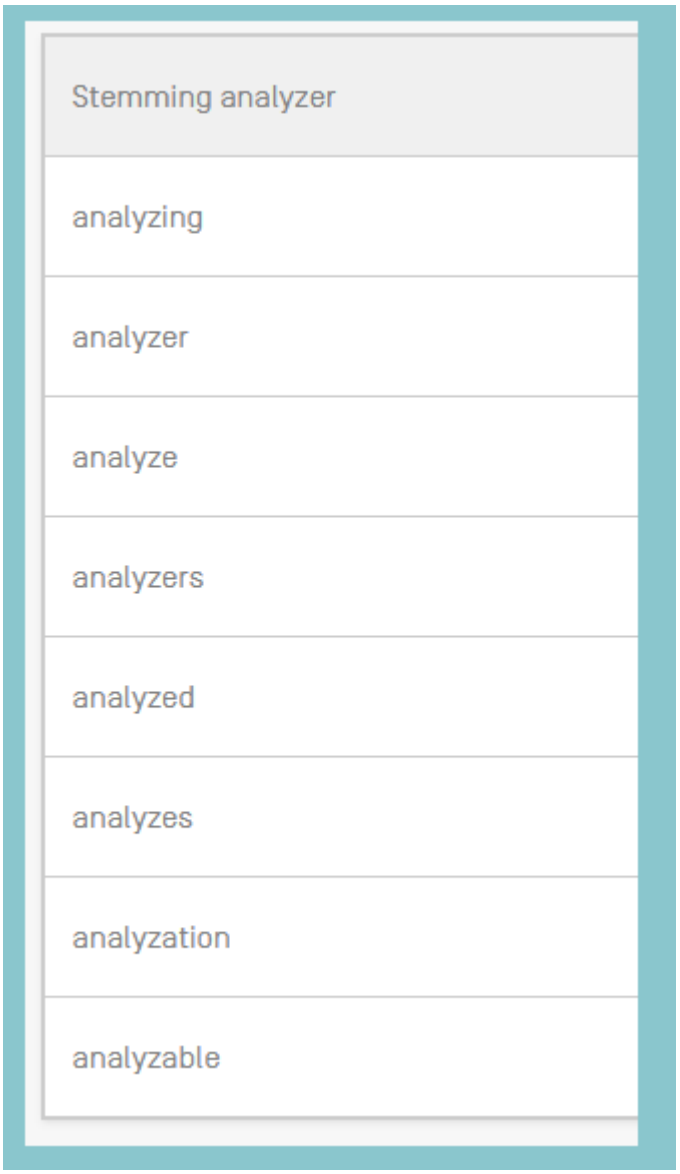
1.



2.

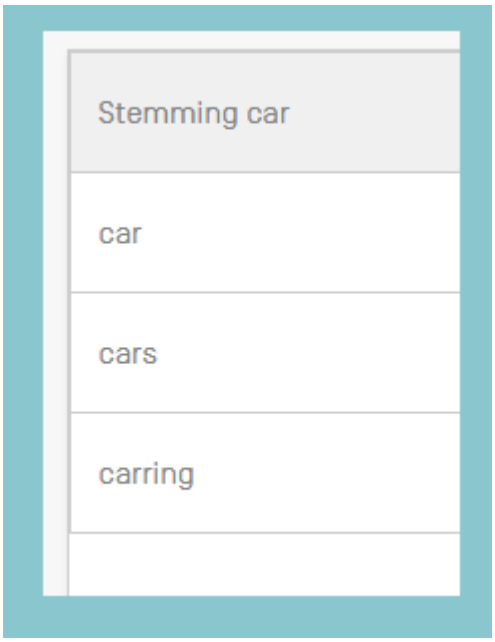
Wildcard elect*	electrophotographic	electroconductive	electrocardiogram
electric	electroluminescent	electrooptical	electret
electronic	electromechanical	electromagnetically	electroslag
electrical	electrolysis	electrophotography	electrochemically
electrode	electroplating	electroacoustic	electrographic
electromagnetic	electronically	electrified	electroactive
electron	electronics	electromagnetism	electrons
electrically	electroluminescence	electrohydraulic	electrolytically
electrolyte	electrophoresis	electrolytes	electroplated
electrostatic	electrophoretic	electrodeless	electrodialysis
electro	electrodeposition	electrothermal	electrification
electrochemical	electrosurgical	electromotive	electroporation
electrolytic	electromagnet	electrolyzer	electrospinning
electricity	electroless	electrodynamic	electrooptic
electrodes	electrochromic	electrostatically	electrowetting

3.



Stemming analyzer
analyzing
analyzer
analyze
analyzers
analyzed
analyzes
analyzation
analyzable

4.

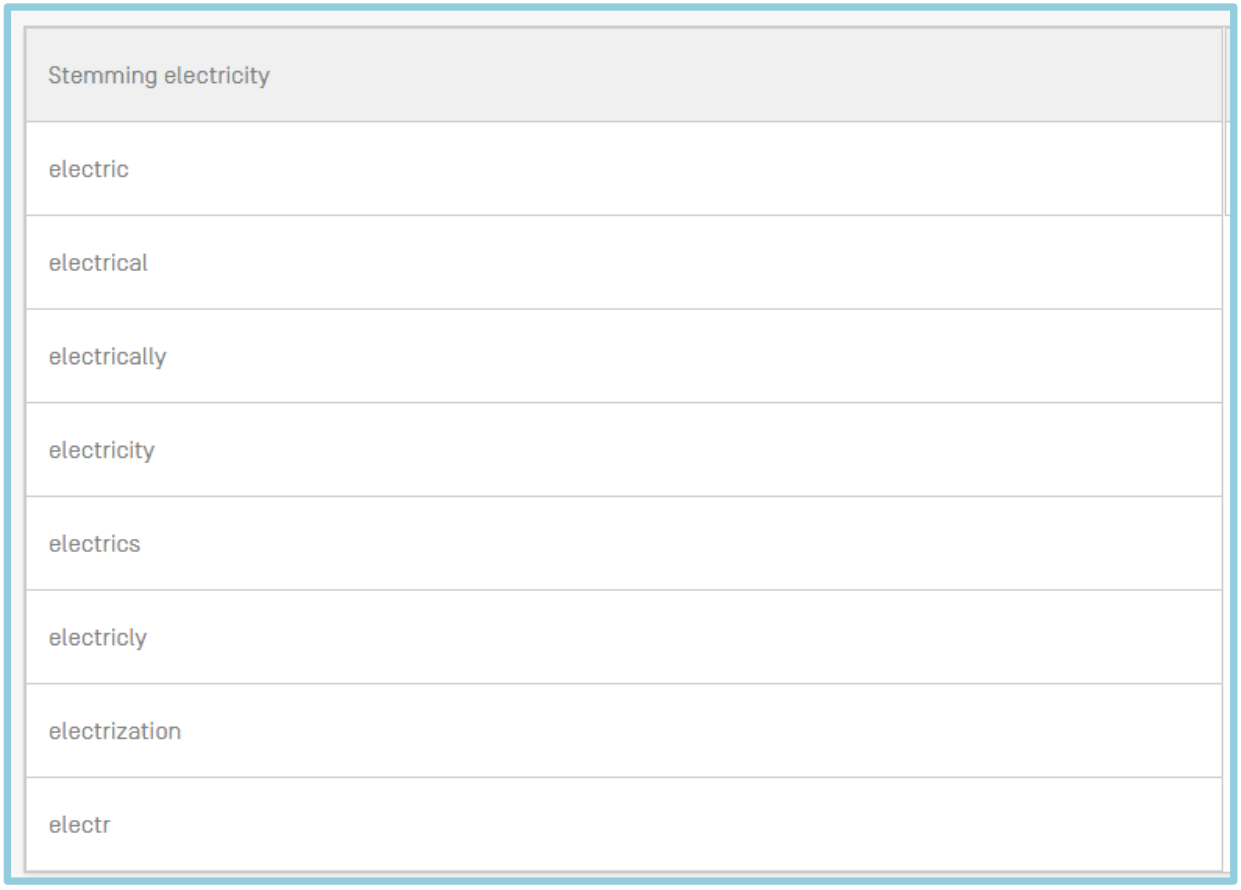


Stemming car
car
cars
carring

5.

Stemming cell	Wildcard cell*
cell	cell
cells	cells
celled	cellular
celling	cellulose
	cellulosic
	cellulase
	cellphone

6.

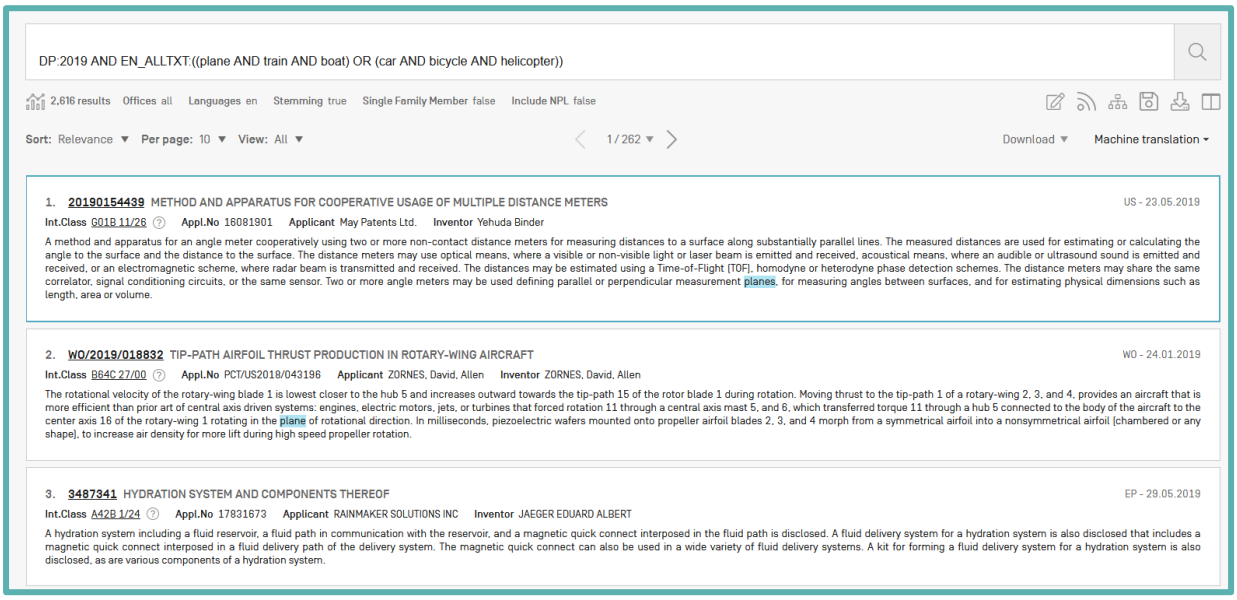


VII. MISCELLANEOUS EXERCISE

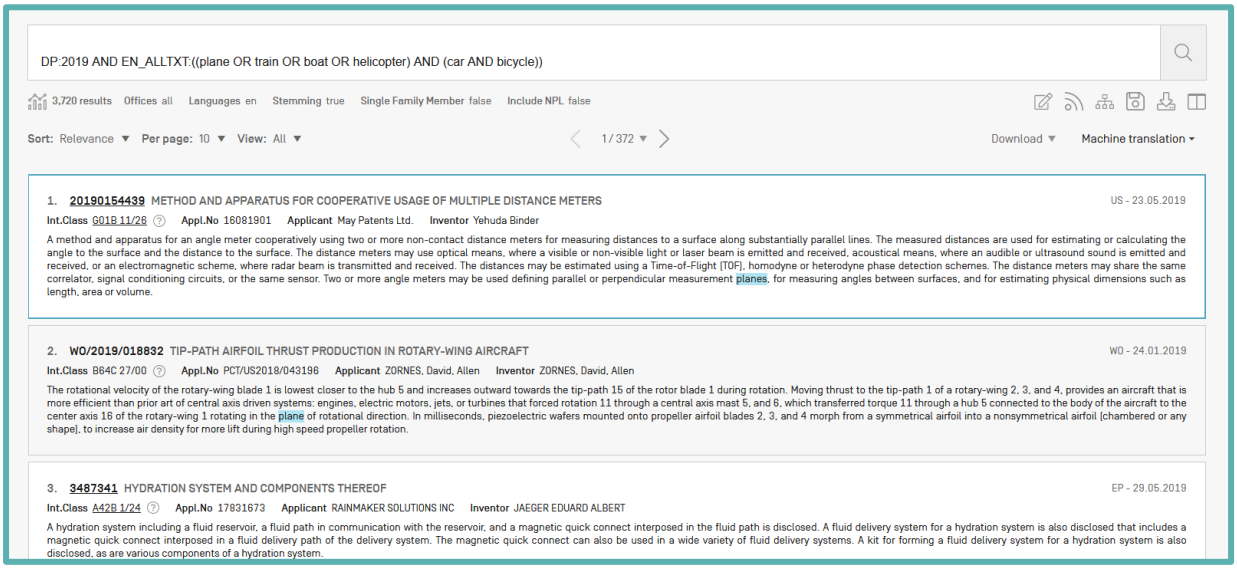
1. After performing the search, save your query making sure you untick the Private query box and then in the Saved Queries, the RSS button is available:

2.

a.



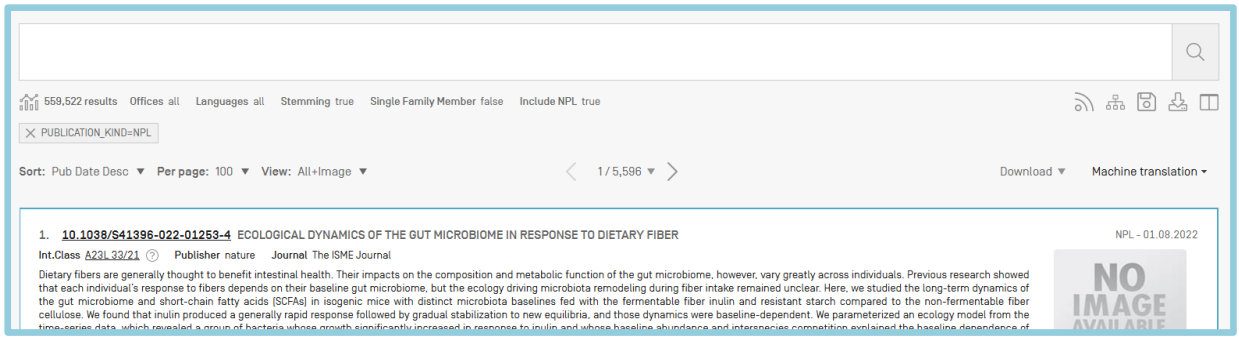
b.



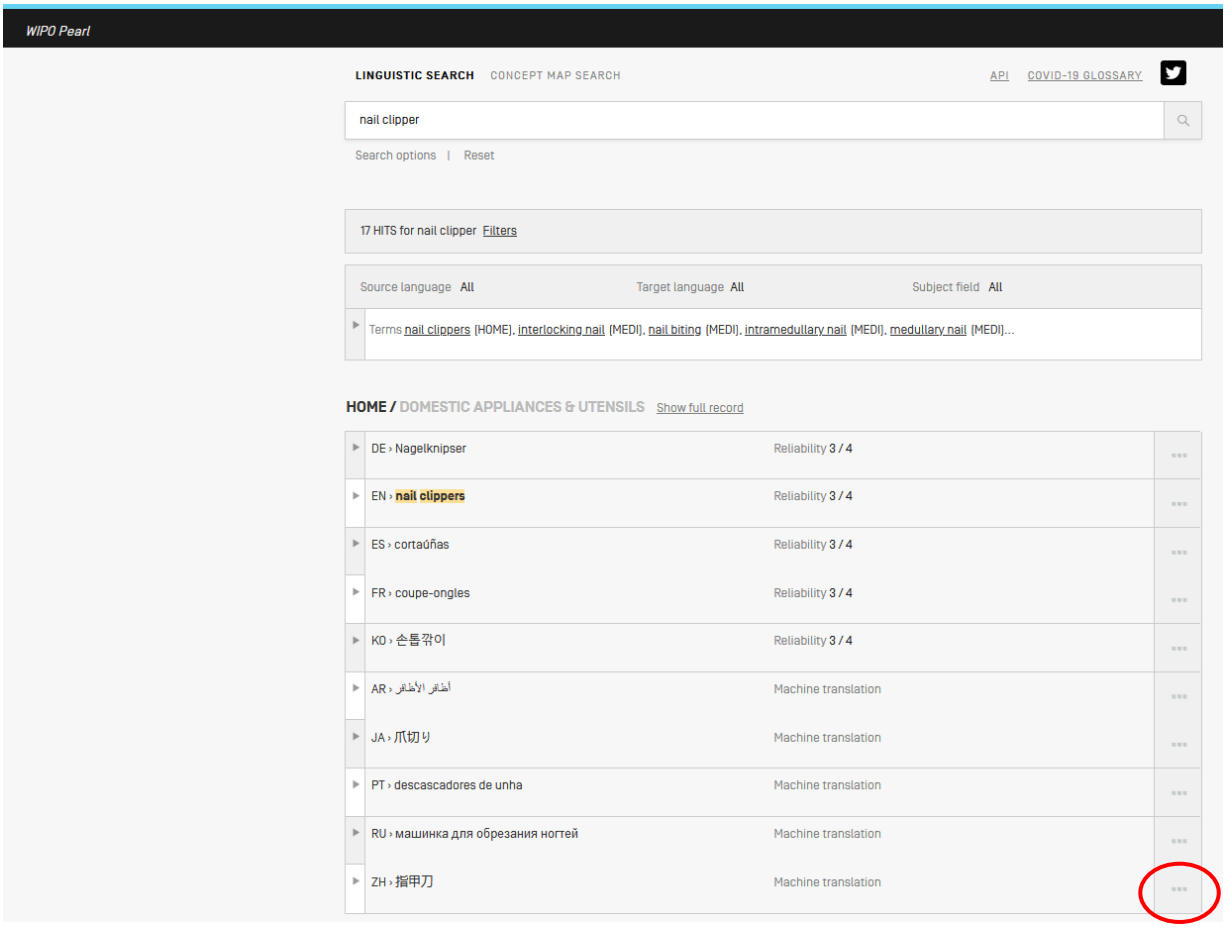
3. Using the Field combination and selecting English Title or using the Advanced Search interface and entering EN_TI, type the keywords interactive and watch linked with the operator NEAR followed by 8. In the result list, click the graph button to select China in the Offices column and Google in the Applicant column.

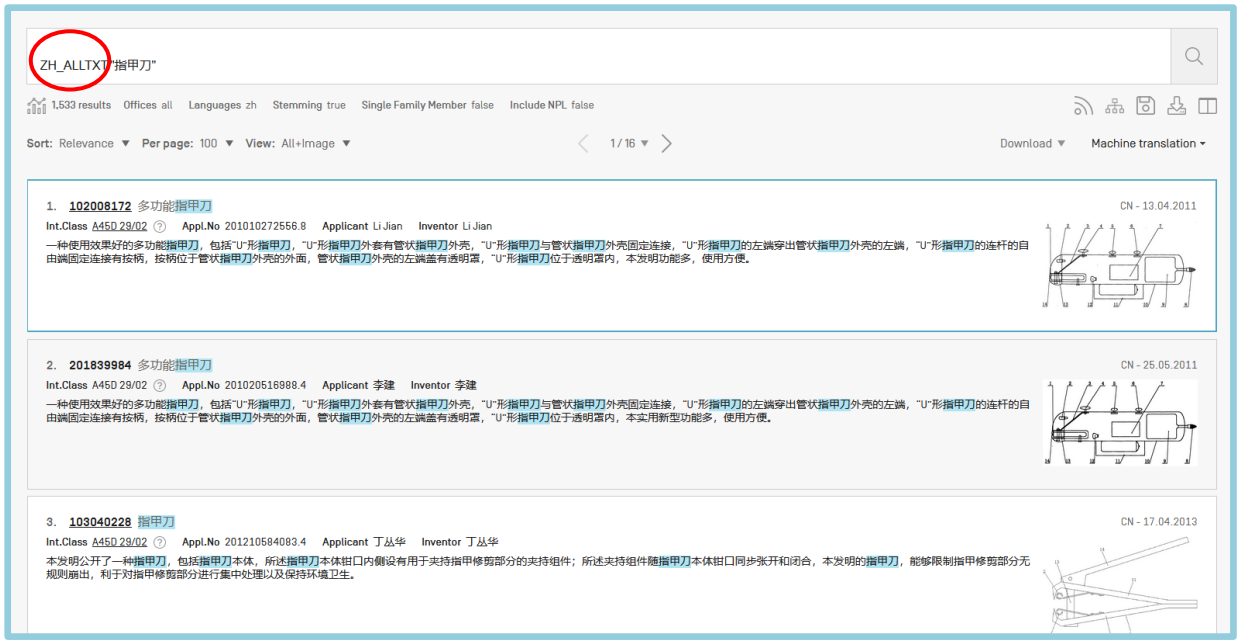
4. 559,522

   Nature – Wikipedia – MDPI



5.



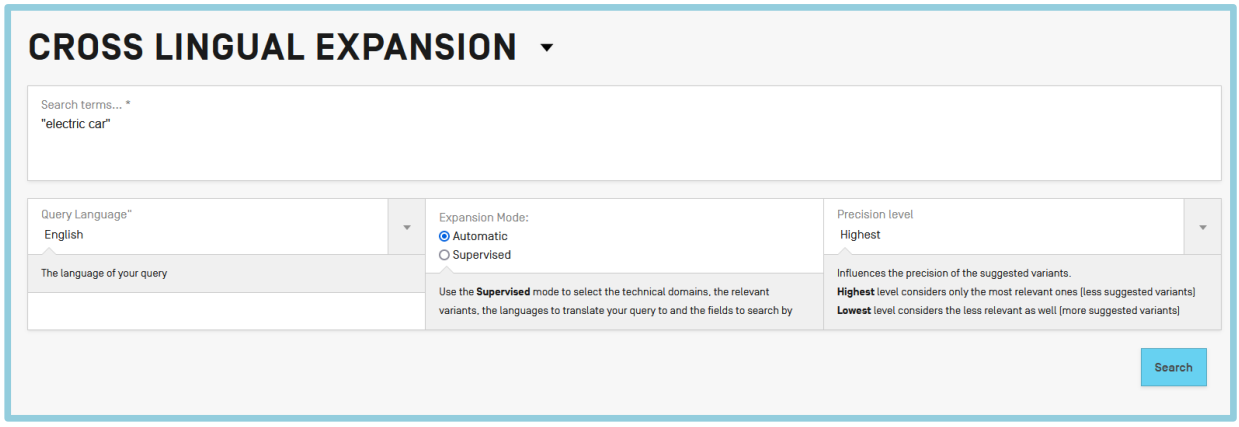


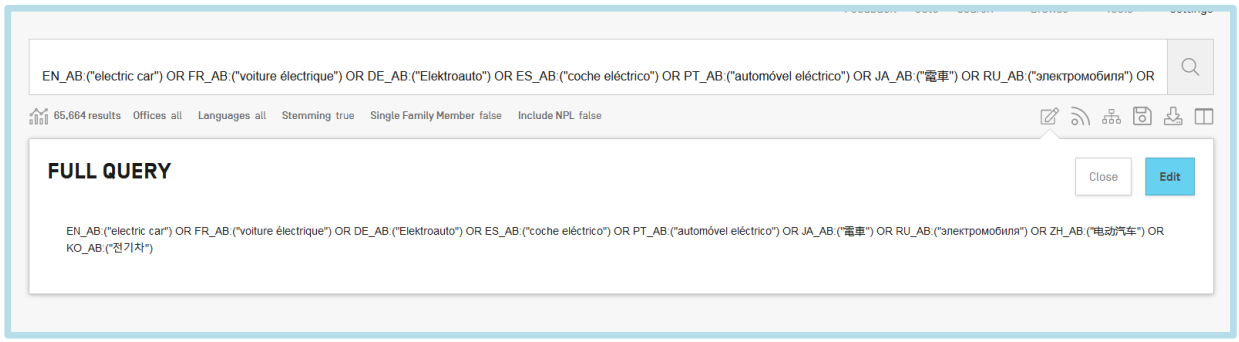
6. No (…) were used therefore the search would be performed in all fields which is not supported

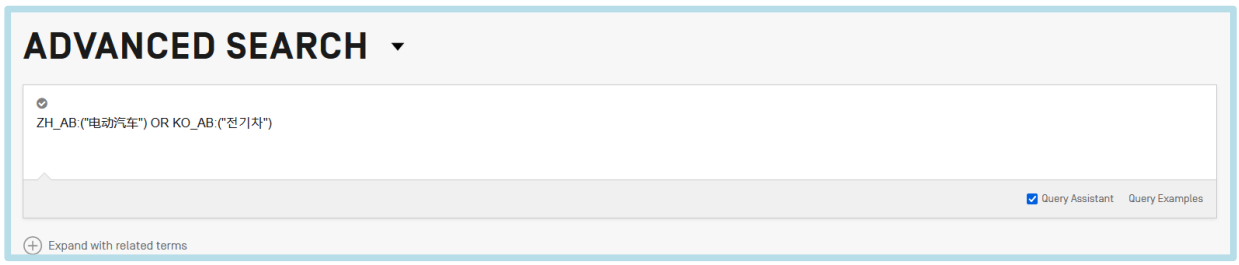
7.

- Access chemical searches
- Save preferred settings and queries
- Higher number of wildcards
- Download result list and documents

8.





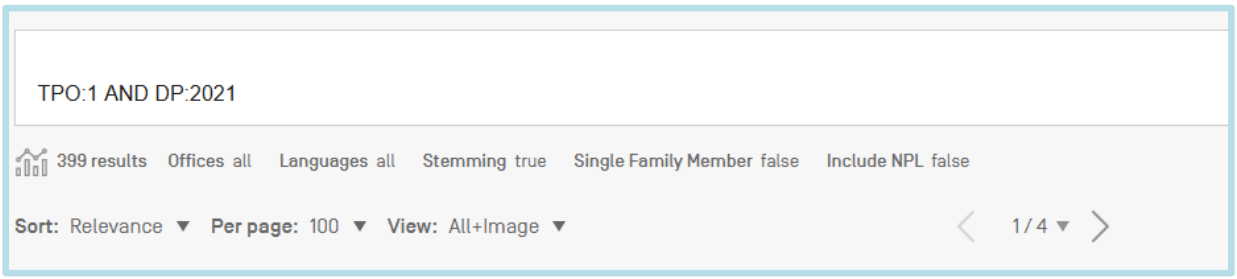


9.

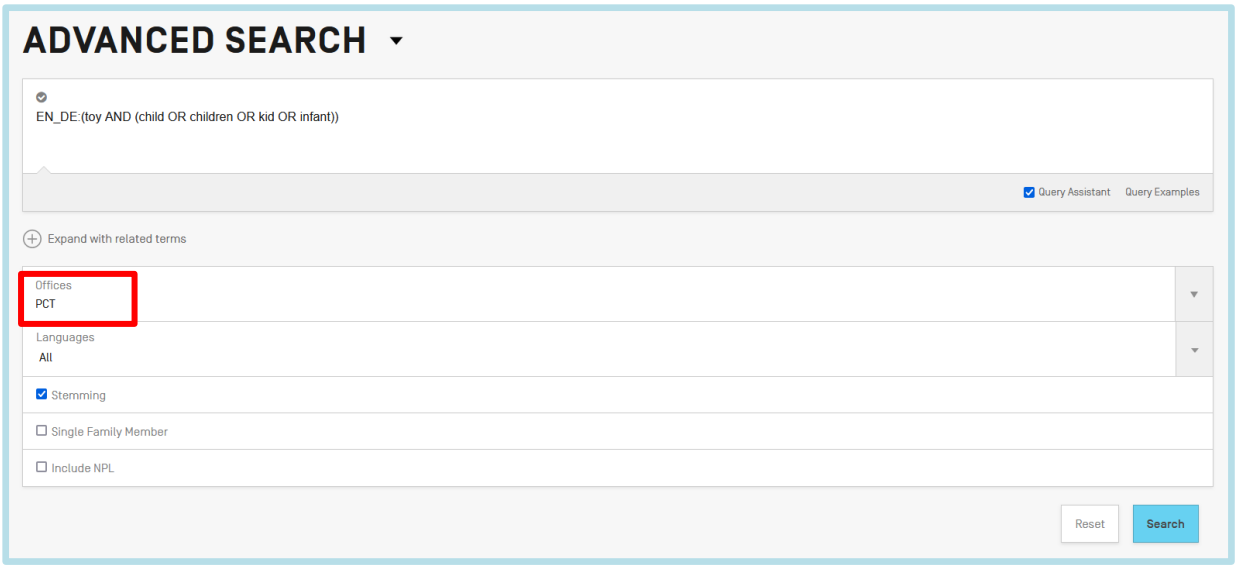
Cross-Lingual Expansion (CLIR) = finds synonyms, translates and build query in PATENTSCOPE

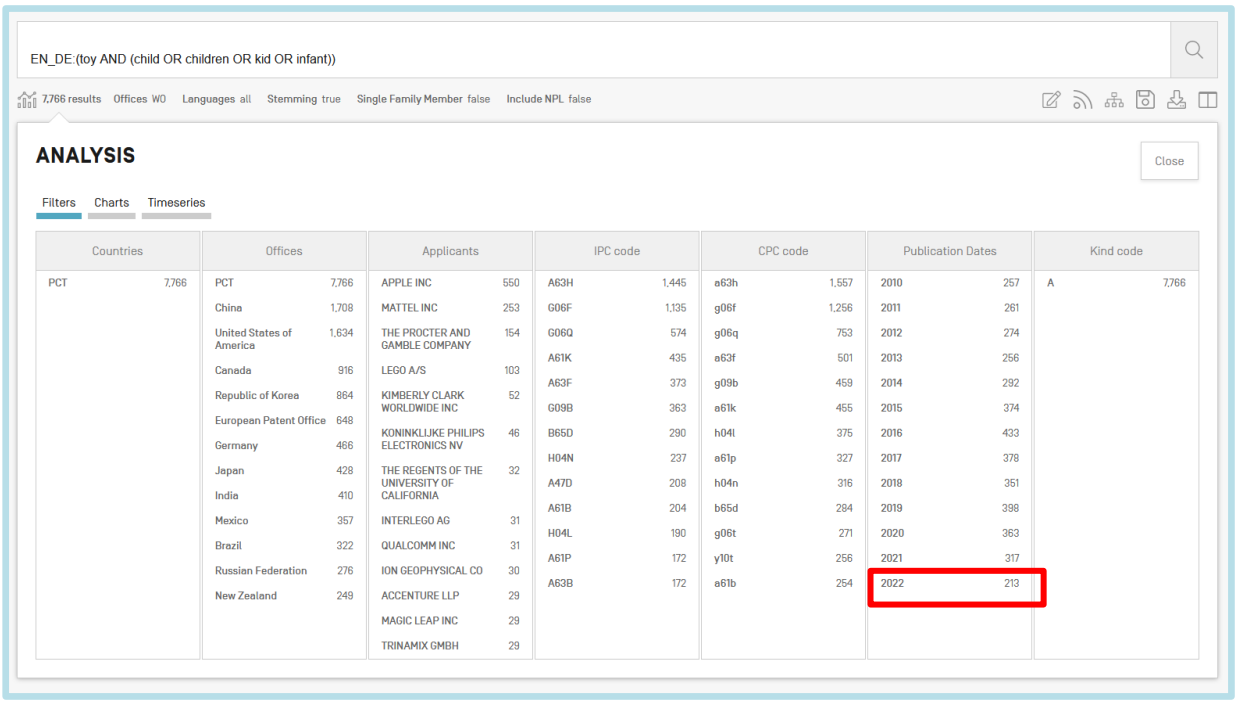
WIPOPearl = terminology portal with direct access to PATENTSCOPE for a searched keyword

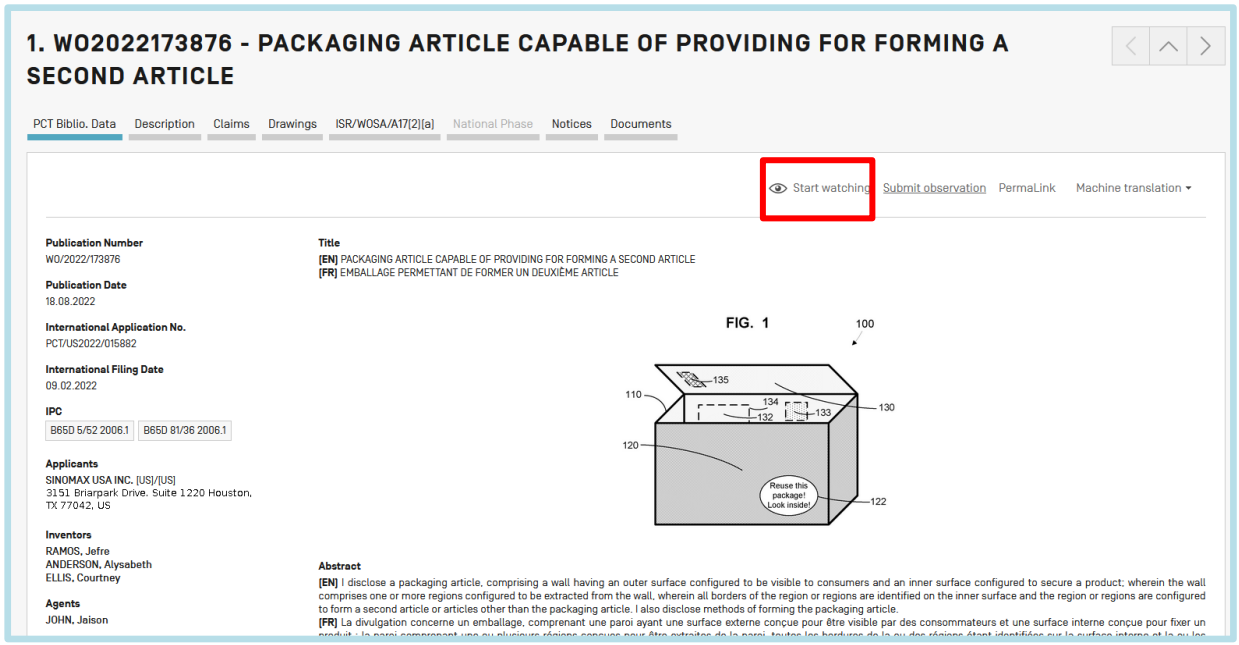
10.


TPO:1 AND DP:2021
399 results
Offices all
Languages all
Stemming true
Single Family Member false
Include NPL false
Sort: Relevance
Per page: 100
View: All+Image
1 / 4

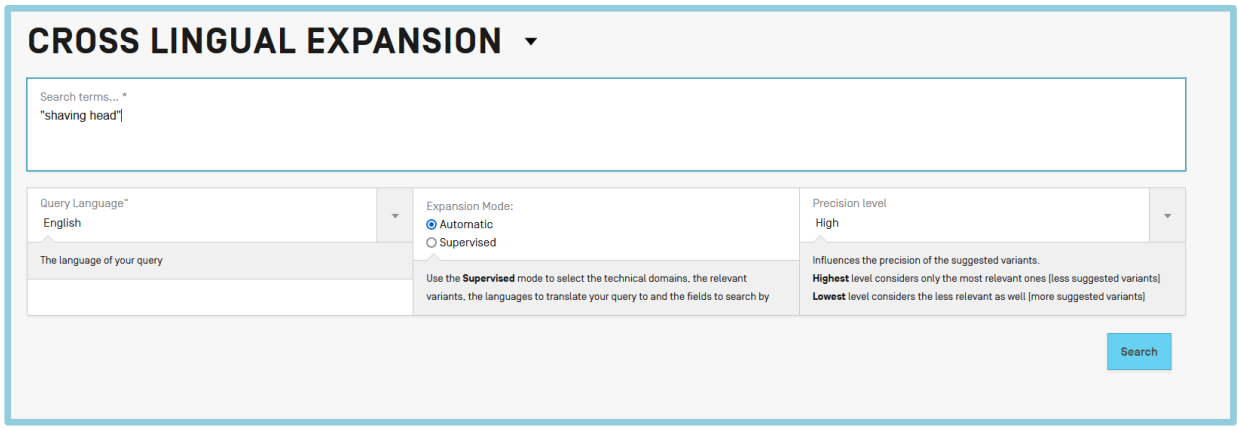
11.


ADVANCED SEARCH
EN_DE:(toy AND (child OR children OR kid OR infant))
Query Assistant
Query Examples
Expand with related terms
Offices
PCT
Languages
All
Stemming
Single Family Member
Include NPL
Reset
Search


EN_DE:(toy AND (child OR children OR kid OR infant))
7,766 results
Offices WO
Languages all
Stemming true
Single Family Member false
Include NPL false
ANALYSIS
Close
Filters
Charts
Timeseries
Countries
PCT 7,766
Offices
PCT 7,766
China 1,708
United States of America 1,634
Canada 916
Republic of Korea 864
European Patent Office 648
Germany 466
Japan 428
India 410
Mexico 357
Brazil 322
Russian Federation 276
New Zealand 249
Applicants
APPLE INC 550
MATTEL INC 253
THE PROCTER AND GAMBLE COMPANY 154
LEGO A/S 103
KIMBERLY CLARK WORLDWIDE INC 52
KONINKLIJKE PHILIPS ELECTRONICS NV 46
THE REGENTS OF THE UNIVERSITY OF CALIFORNIA 32
INTERLEGO AG 31
QUALCOMM INC 31
ION GEOPHYSICAL CO 30
ACCENTURE LLP 29
MAGIC LEAP INC 29
TRINAMIX GMBH 29
IPC code
A63H 1,445
G06F 1,135
G06Q 574
A61K 435
A63F 373
G09B 363
B65D 290
H04N 237
A47D 208
A61B 204
H04L 190
A61P 172
A63B 172
CPC code
a63h 1,557
g06f 1,256
g06q 753
a63f 501
g09b 459
a61k 455
h04l 375
a61p 327
h04n 316
b65d 284
g06t 271
y10t 256
a61b 254
Publication Dates
2010 257
2011 261
2012 274
2013 256
2014 292
2015 374
2016 433
2017 378
2018 351
2019 398
2020 363
2021 317
2022 213
Kind code
A 7,766

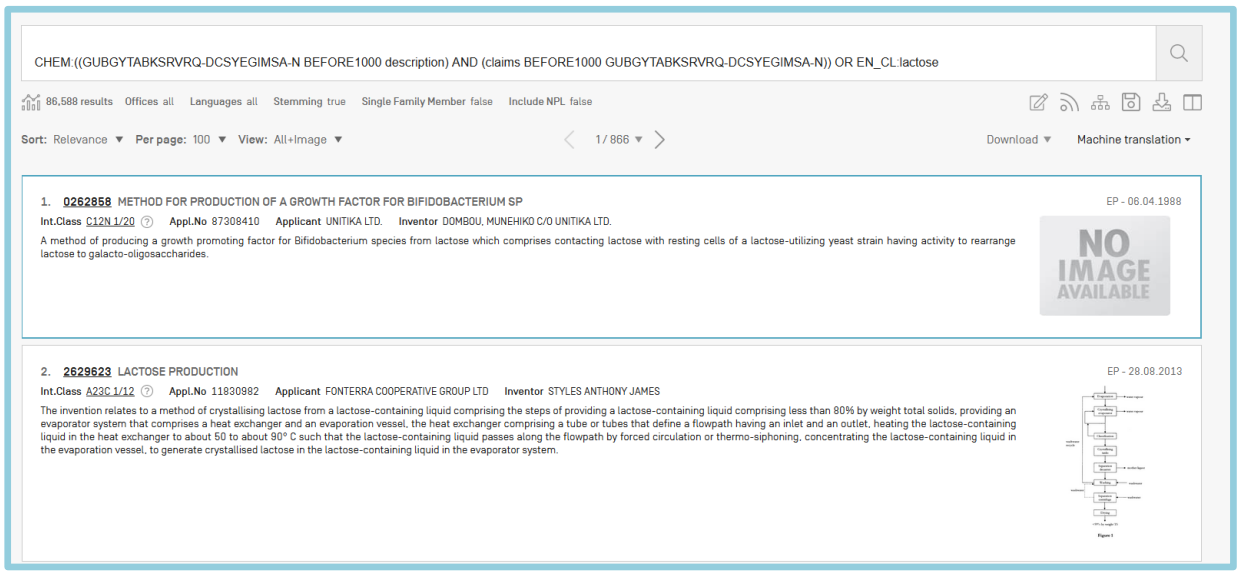


12.

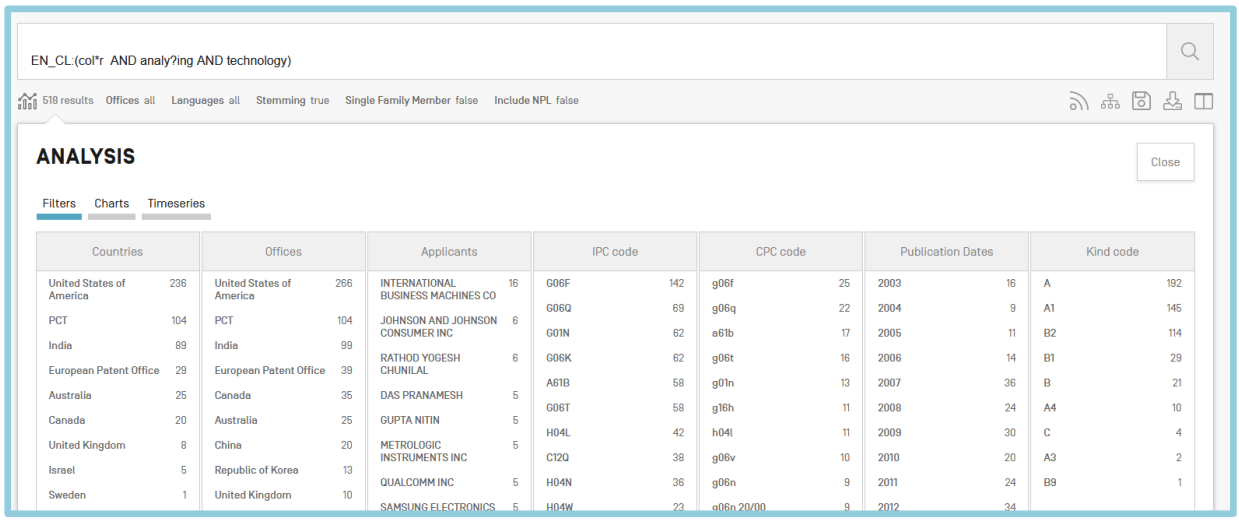



ADVANCED SEARCH
ES_AB:("cabezal de afeitado" OR "cabeza de corte" OR "cabeza de afeitadora que posee" OR "cabezal de aparato de afeitar" OR "disposición de cabeza de afeitado" OR "cabezal cortador" OR "cabeza afeitadora" OR "cabeza de rasurar" OR "dotada con un cabezal rasurador")
Query Assistant
Query Examples
Expand with related terms
Offices
All
Languages
All

13.

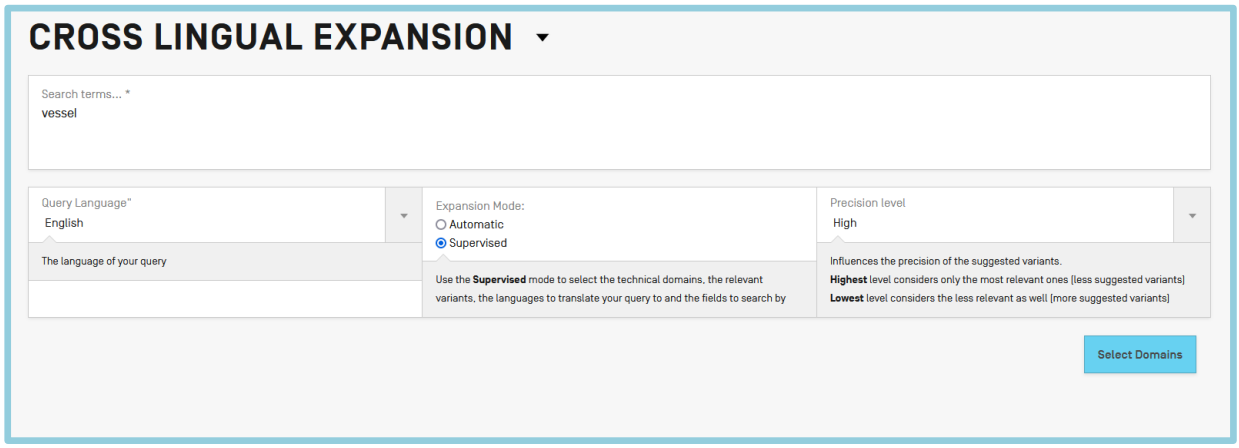

CHEM:((GUBGYTABKSRVRQ-DCSYEGIMSA-N BEFORE1000 description) AND (claims BEFORE1000 GUBGYTABKSRVRQ-DCSYEGIMSA-N)) OR EN_CL:lactose
86,588 results
Offices all
Languages all
Stemming true
Single Family Member false
Include NPL false
Sort: Relevance
Per page: 100
View: All+Image
1 / 866
Download
Machine translation
1. 0262858 METHOD FOR PRODUCTION OF A GROWTH FACTOR FOR BIFIDOBACTERIUM SP
EP - 06.04.1988
Int.Class C12N 1/20
Appl.No 87308410
Applicant UNITIKA LTD.
Inventor DOMBOU, MUNEHIKO C/O UNITIKA LTD.
A method of producing a growth promoting factor for Bifidobacterium species from lactose which comprises contacting lactose with resting cells of a lactose-utilizing yeast strain having activity to rearrange lactose to galacto-oligosaccharides.
NO IMAGE AVAILABLE
2. 2629623 LACTOSE PRODUCTION
EP - 28.08.2013
Int.Class A23C 1/12
Appl.No 11830982
Applicant FONTERRA COOPERATIVE GROUP LTD
Inventor STYLES ANTHONY JAMES
The invention relates to a method of crystallising lactose from a lactose-containing liquid comprising the steps of providing a lactose-containing liquid comprising less than 80% by weight total solids, providing an evaporator system that comprises a heat exchanger and an evaporation vessel, the heat exchanger comprising a tube or tubes that define a flowpath having an inlet and an outlet, heating the lactose-containing liquid in the heat exchanger to about 50 to about 90° C such that the lactose-containing liquid passes along the flowpath by forced circulation or thermo-siphoning, concentrating the lactose-containing liquid in the evaporation vessel, to generate crystallised lactose in the lactose-containing liquid in the evaporator system.

14.

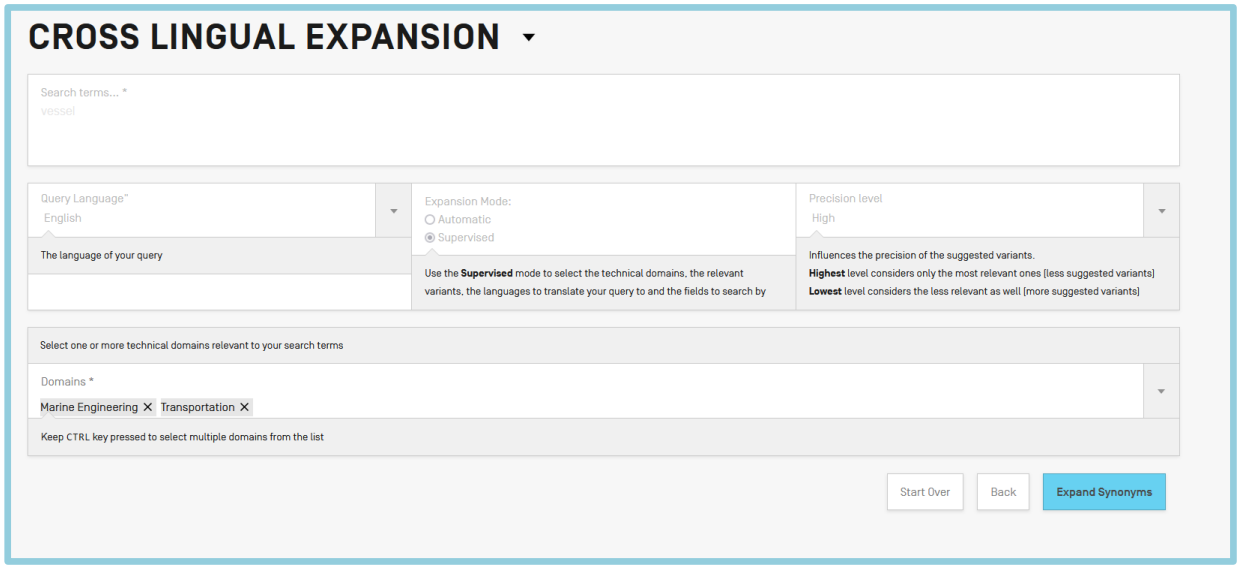

EN_CL:(col*r AND analy?ing AND technology)
518 results
Offices all
Languages all
Stemming true
Single Family Member false
Include NPL false
ANALYSIS
Close
Filters
Charts
Timeseries
Countries
United States of America 236
PCT 104
India 89
European Patent Office 29
Australia 25
Canada 20
United Kingdom 8
Israel 5
Sweden 1
Offices
United States of America 266
PCT 104
India 99
European Patent Office 39
Canada 35
Australia 25
China 20
Republic of Korea 13
United Kingdom 10
Applicants
INTERNATIONAL BUSINESS MACHINES CO 16
JOHNSON AND JOHNSON CONSUMER INC 6
RATHOD YOGESH CHUNILAL 6
DAS PRANAMESH 5
GUPTA NITIN 5
METROLOGIC INSTRUMENTS INC 5
QUALCOMM INC 5
SAMSUNG ELECTRONICS 5
IPC code
G06F 142
G06Q 69
G01N 62
G06K 62
A61B 58
G06T 58
H04L 42
C12Q 38
H04N 36
H04W 23
CPC code
g06f 25
g06q 22
a61b 17
g06t 16
g01n 13
g16h 11
h04l 11
g06v 10
g06n 9
g06n 20/00 9
Publication Dates
2003 16
2004 9
2005 11
2006 14
2007 36
2008 24
2009 30
2010 20
2011 24
2012 34
Kind code
A 192
A1 145
B2 114
B1 29
B 21
A4 10
C 4
A3 2
B9 1

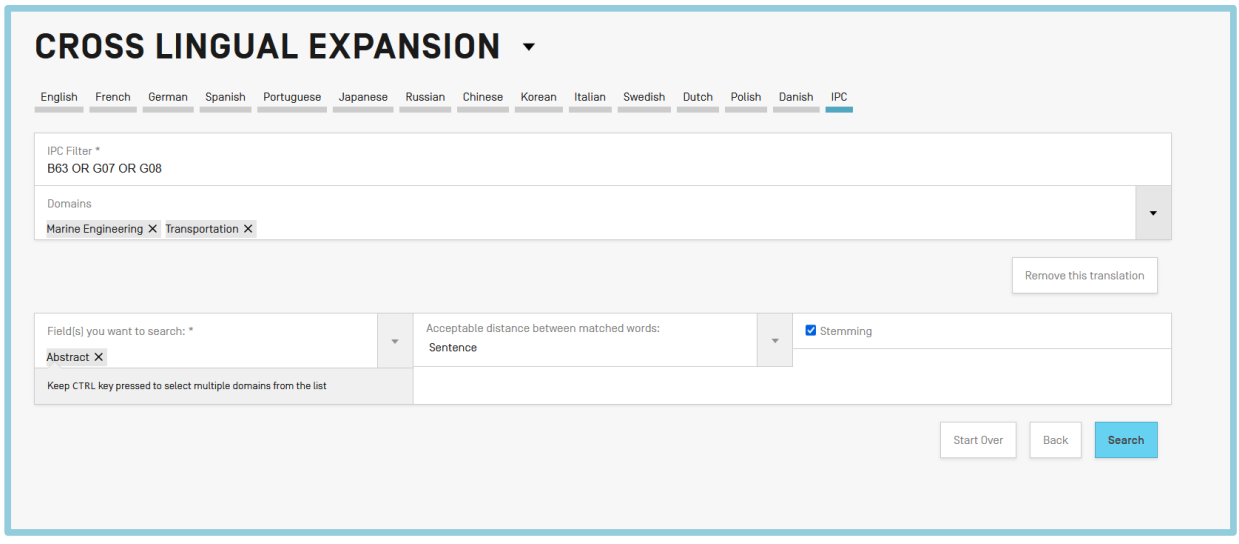
15.

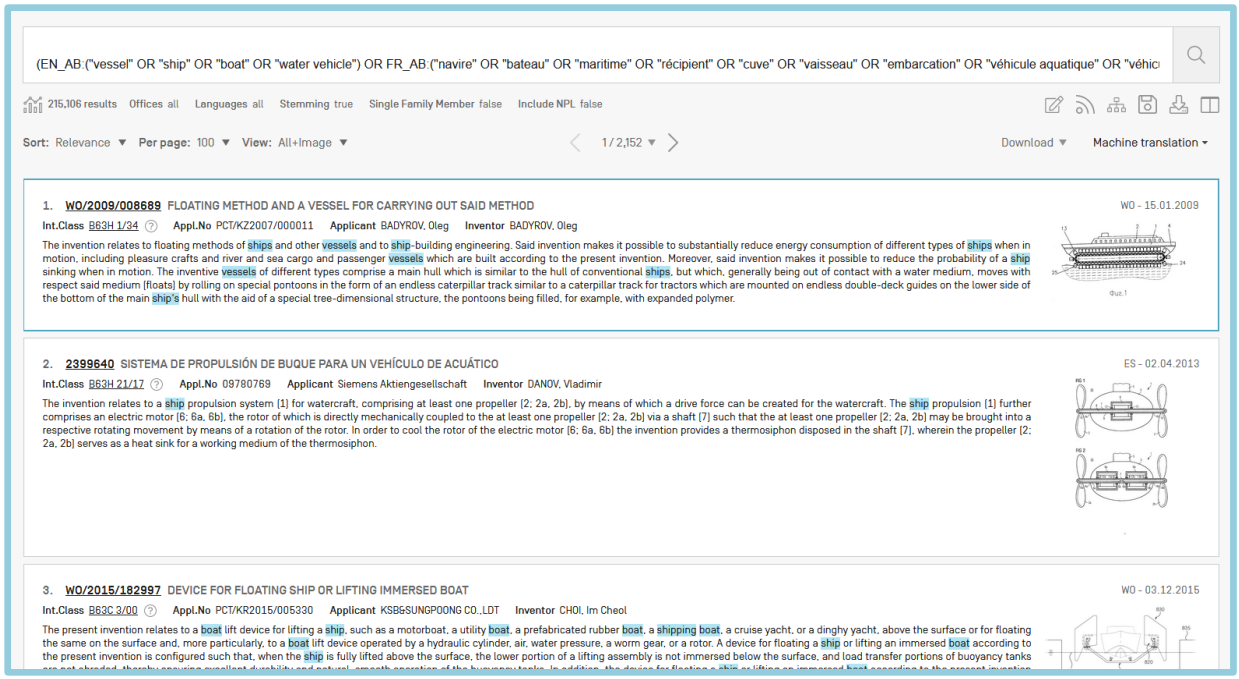
a.



b. using the supervised mode in order to select the technical domains and the IPCs related to boats







VIII. AMEND THE QUERY EXERCISES

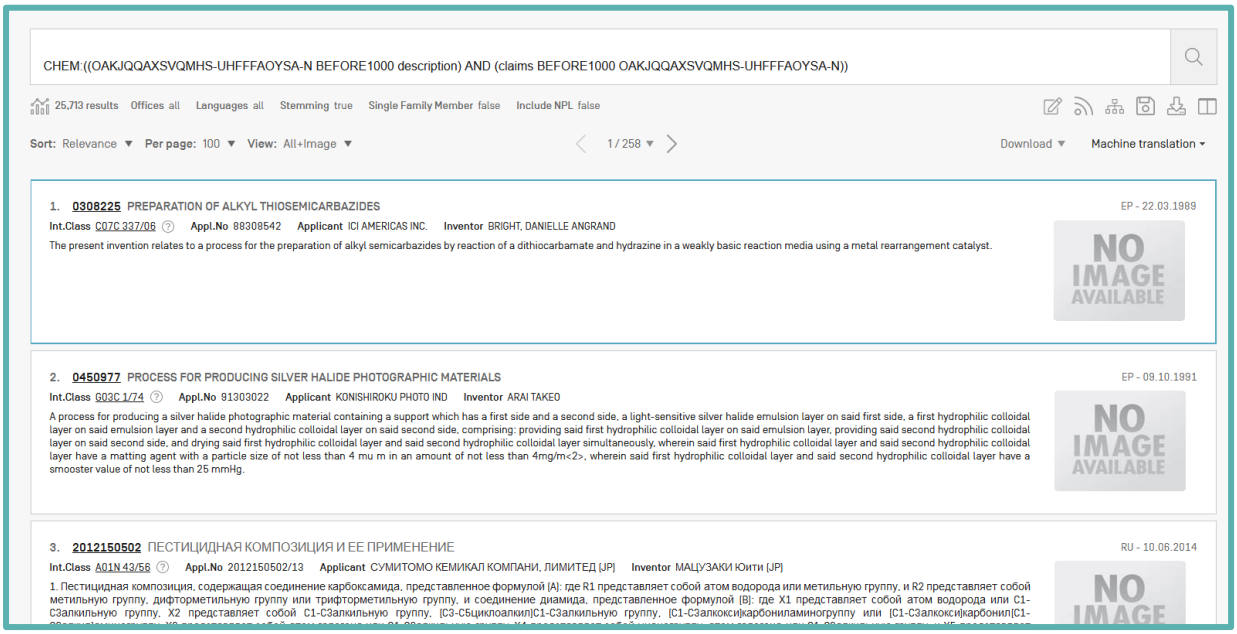
1. ZH_AB:(机器人 OR 机械手 OR 机器人车 **OR** OR 水下机器 OR 先人)
2. EN_DE:(electric* OR elect* OR suppor* OR supp* OR stan* OR stand* OR found* OR carr***** OR carri*****)
3. FP:((water OR fluid) AND (support AND electric) OR hydrosupport)
4. ~~EN_AB:~~(CHEM:(IKHGUXGNUITLKF-UHFFFAOYSA-N)) AND EN_AB:(MOLLUSCICIDE) CHEM:(IKHGUXGNUITLKF-UHFFFAOYSA-N) AND EN_AB:(MOLLUSCICIDE)
5. CHEM:((I OAKJQQAXSVQMHS-UHFFFAOYSA-N BEFORE1000 description) AND (claims BEFORE1000 OAKJQQAXSVQMHS-UHFFFAOYSA-N))
6. EN_AB:(apparatus NEAR4 **(**blood AND pressure**)**) – so that the search retrieves documents about apparatus for measuring blood pressure
7. ~~CPC:I PCT AND~~ LI:1 and TPO:1
8. EN_DE:(SOLAR ~~AND~~ (WIND AND TURBINE) – so that the search retrieves all keywords in the English description
9. EN_CL: (electric bicycle) AND **CTR**:US
10. EN_CL: (electricity **AND** generation **AND** conversion **AND** dynamo electric machines)

IX. CHEMICAL SEARCHES EXERCISES

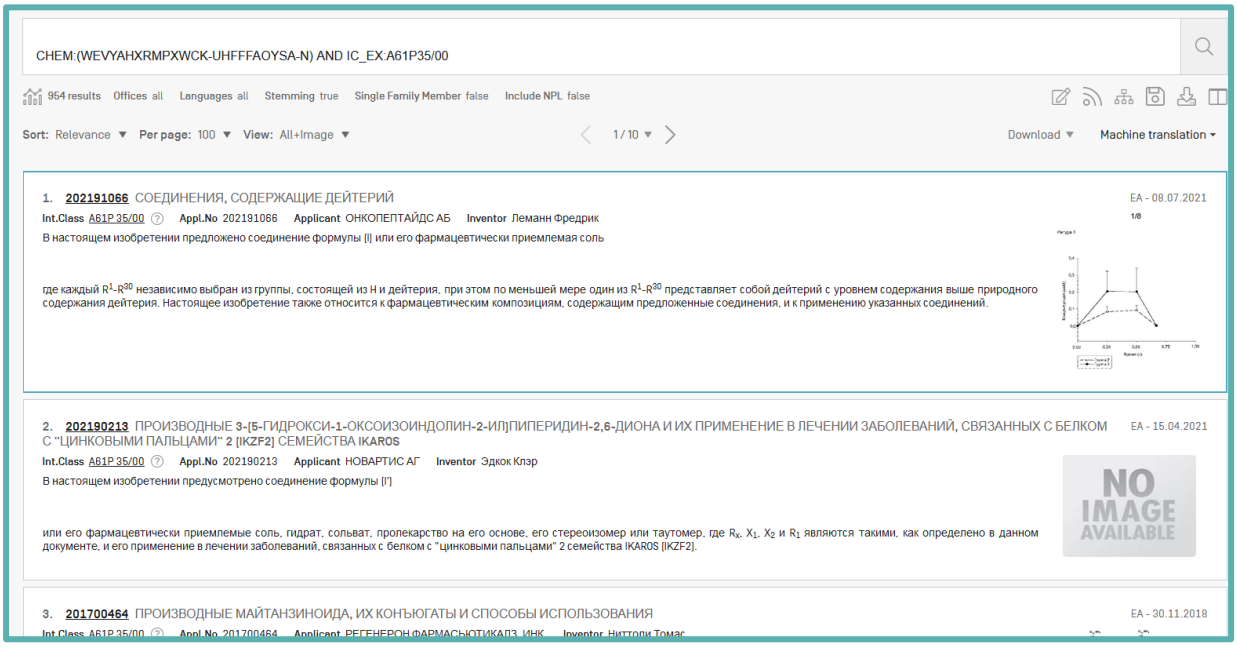
1.

a. antibody sequence ✗
b. CAS name ✓
c. enantiomer ✓
d. polymer ✗
e. peptide ✗
f. protein sequence ✗
g. monomer ✓

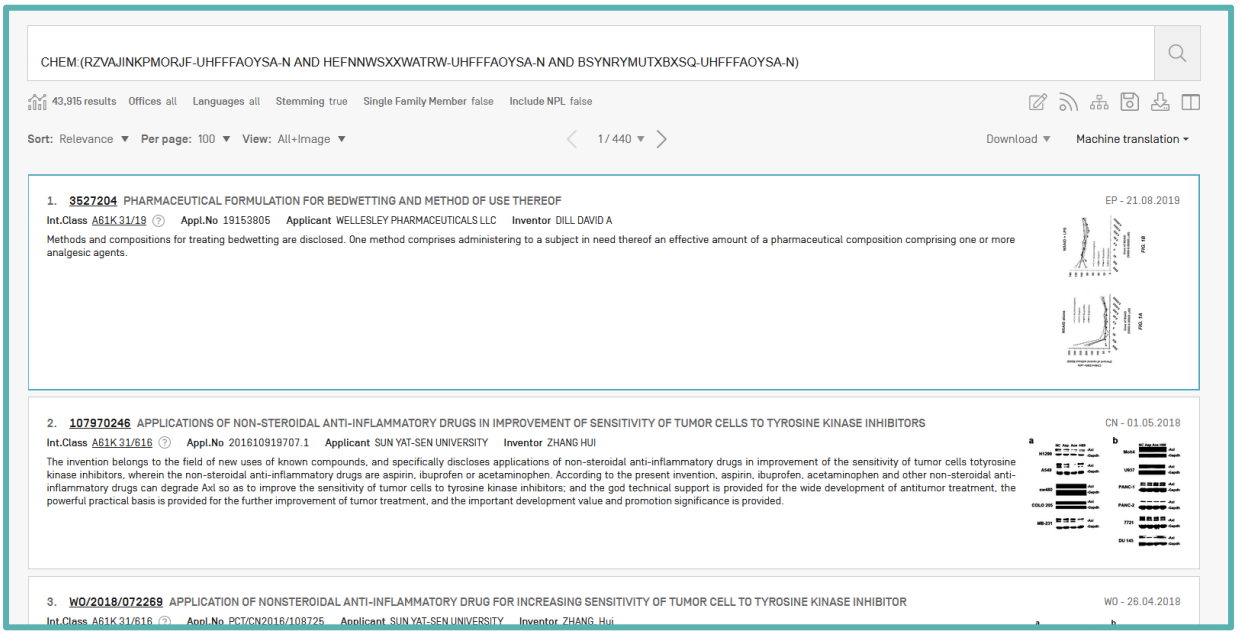
2.



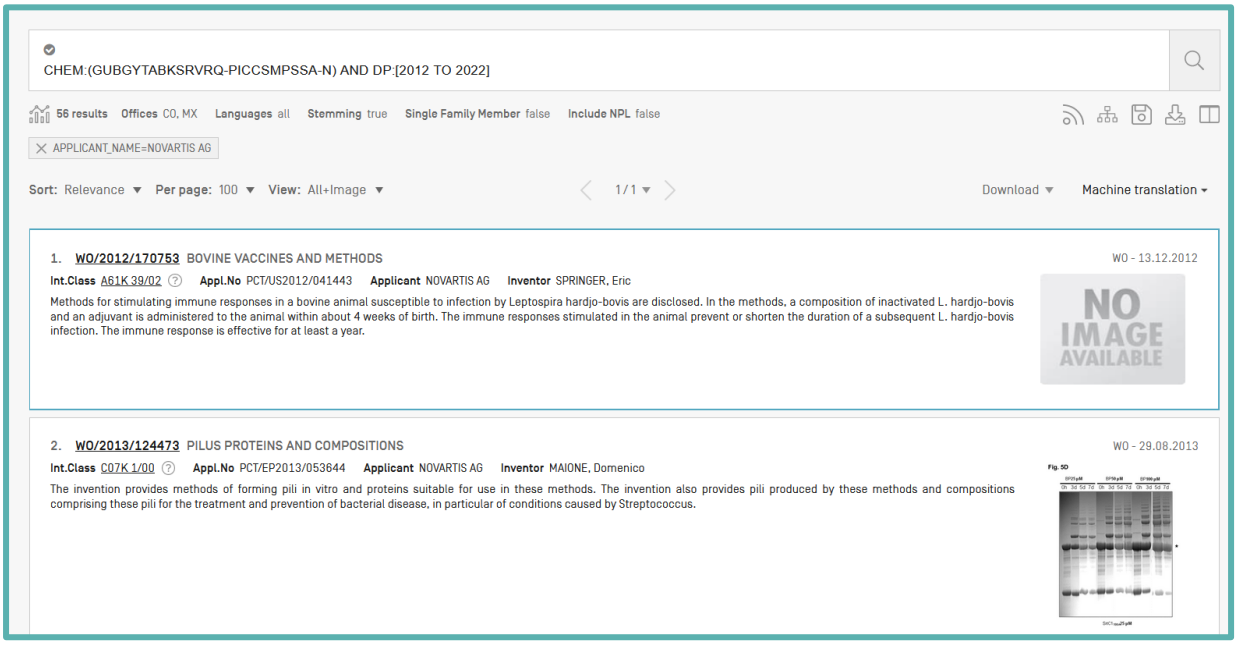
3.



4.

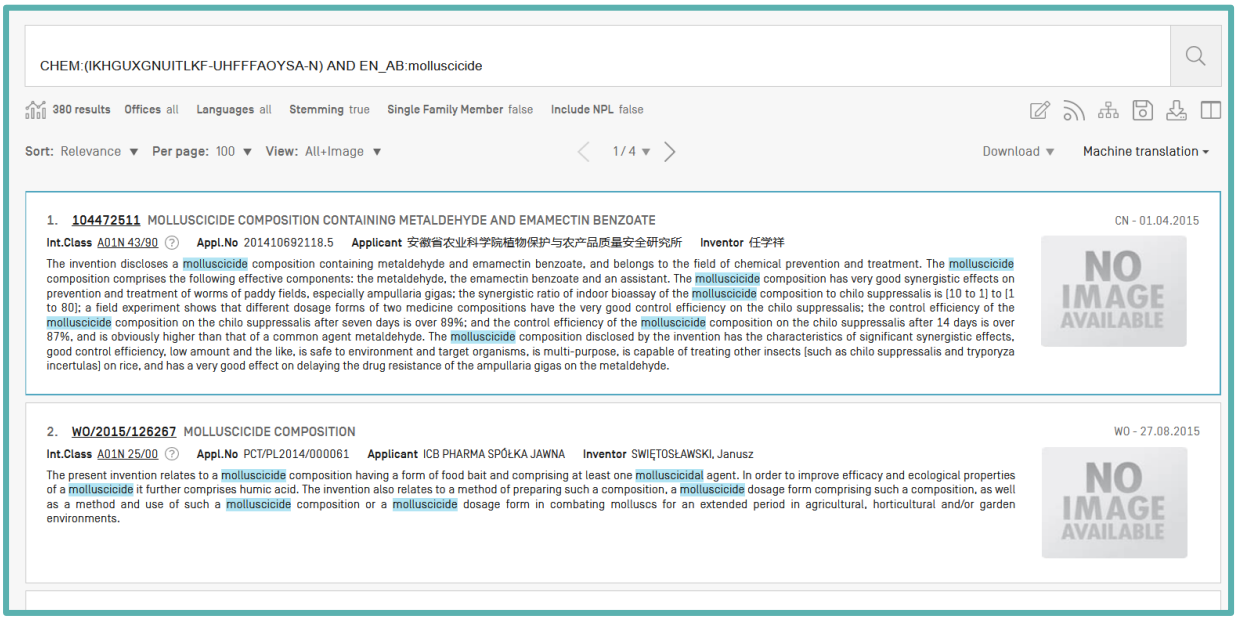


5.

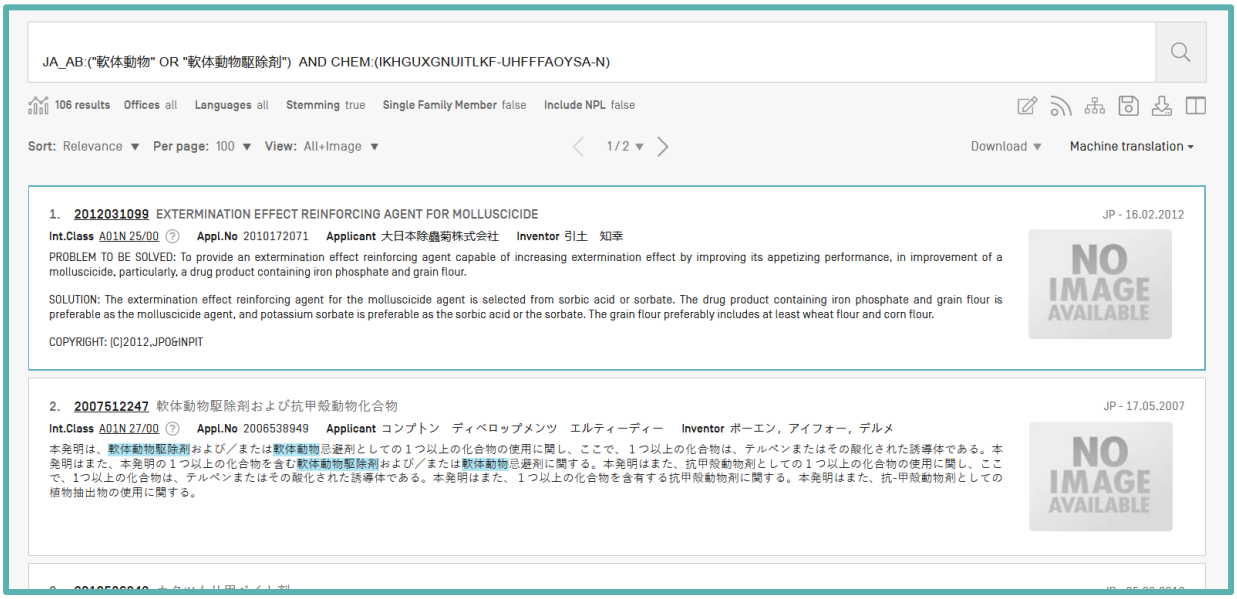


6.

a.



b.

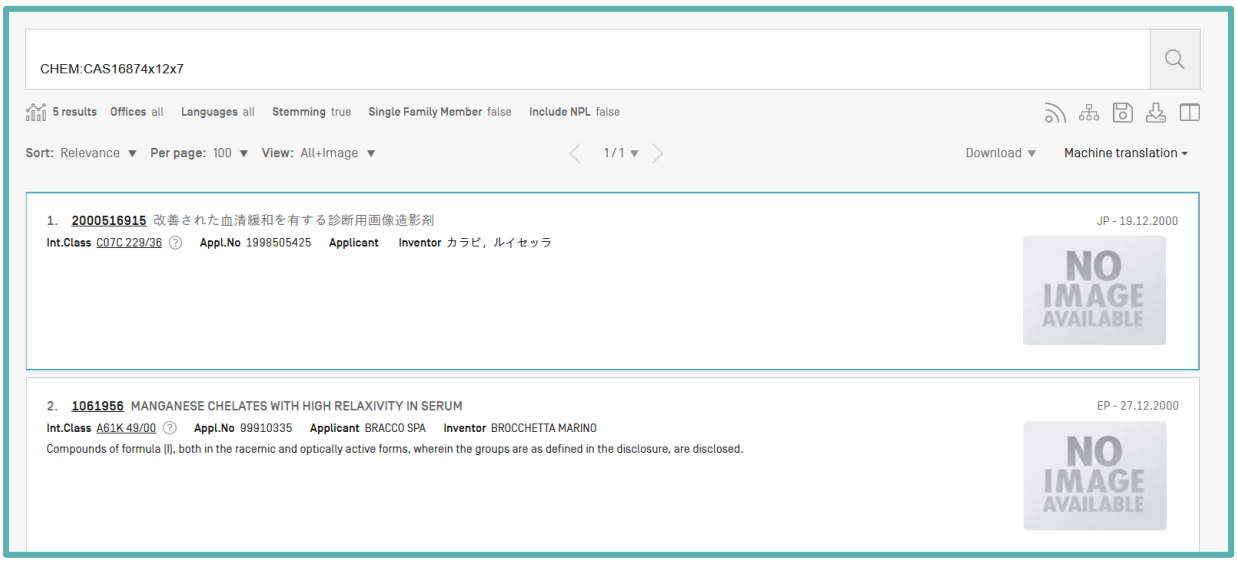


7.

a.

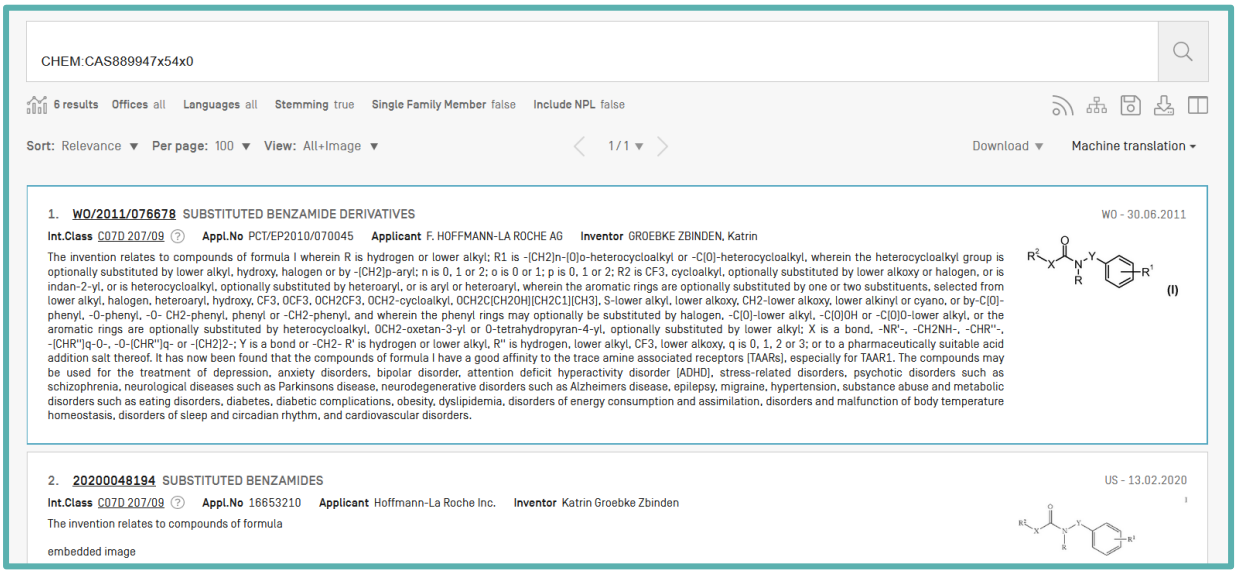
7

b.

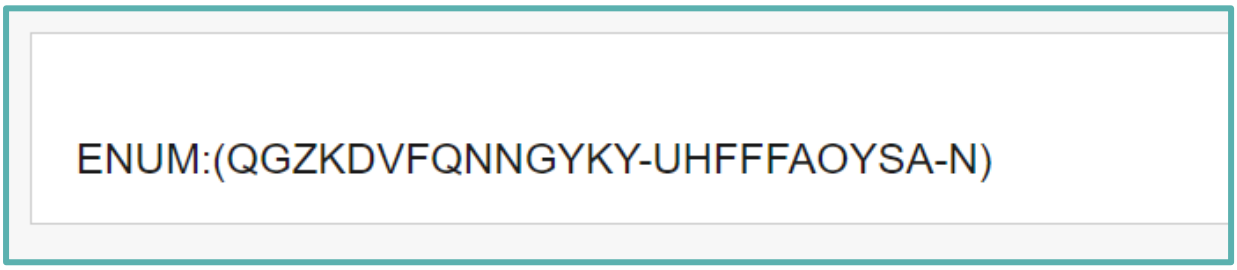


7.

c.



8.



9.